#30

ANNUAL REPORT
OF
OCEANOGRAPHIC OBSERVATIONS
VOLUME 30

해 양 조 사 연 보

제 30 권
1 9 8 1

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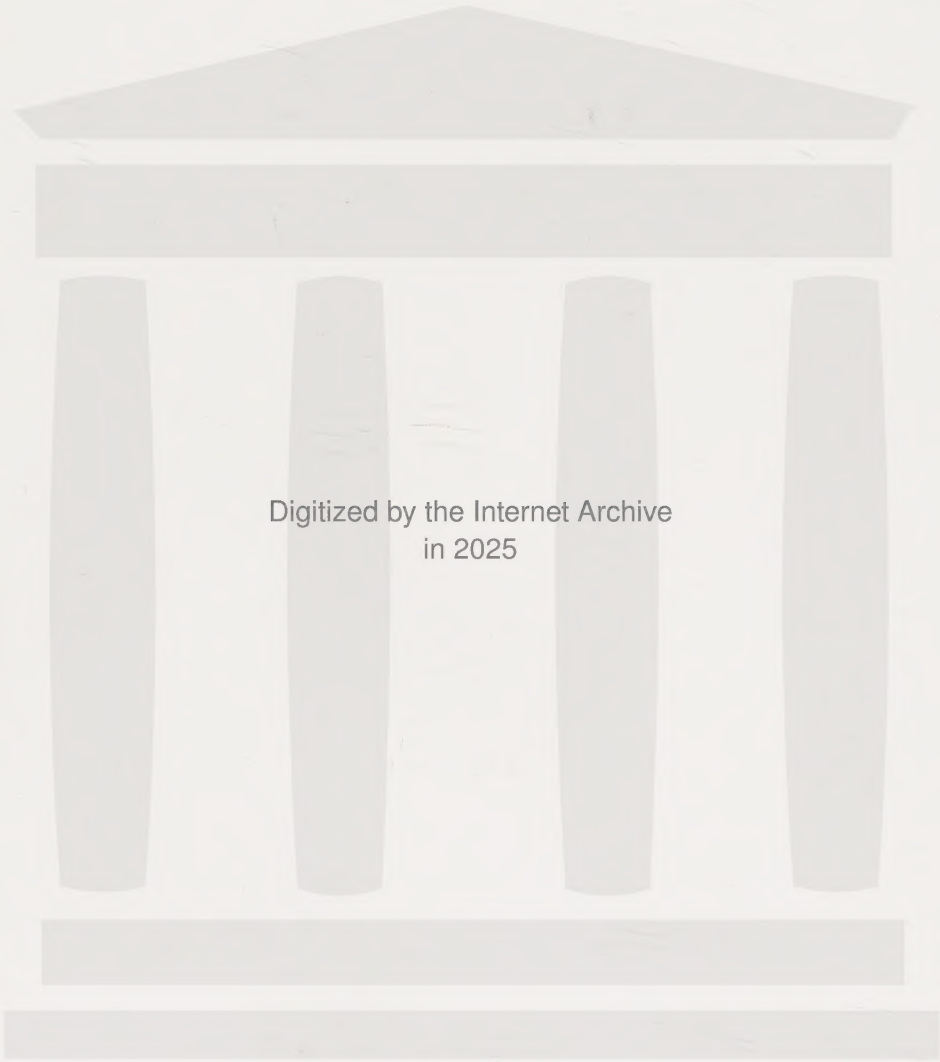
국 립 수 산 진 흥 원
Fisheries Research and Development Agency
Busan, Korea
December, 1 9 8 2



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국민교육헌장

우리는 민족중흥의 역사적 사명을 띠고 이 땅에 태어났다. 조상의 빛난 얼을 오늘에 되살려, 안으로 자주 독립의 자세를 확립하고, 밖으로 인류 공영에 이바지 할 때다. 이에, 우리의 나아갈 바를 밝혀 교육의 지표로 삼는다.

성실한 마음과 튼튼한 몸으로, 학문과 기술을 배우고 익히며, 타고난 저마다의 소질을 계발하고 우리의 처지를 약진의 발판으로 삼아, 창조의 힘과 개척의 정신을 기른다. 공익과 질서를 앞세우며 능률과 실질을 숭상하고, 경애와 신의에 뿌리박은 상부 상조의 전통을 이어받아, 명랑하고 따뜻한 협동정신을 북돋운다. 우리의 창의와 협력을 바탕으로 나라가 발전하며 나라의 융성이 나의 발전의 근본임을 깨달아, 자유와 권리에 따르는 책임과 의무를 다하며, 스스로 국가 건설에 참여하고 봉사하는 국민 정신을 드높인다.

반공 민주정신에 투철한 애국애족이 우리의 삶의 길이며, 자유세계의 이상을 실현하는 기반이다. 길이 후손에 물려줄 영광된 통일 조국의 앞날을 내다보며, 신념과 긍지를 지닌 근면한 국민으로서 민족의 슬기를 모아 줄기찬 노력으로, 새 역사를 창조하자.

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資 料 및 方 法

本 年報에 收錄된 資料는 1981年 當院에서 調査한 定線海洋觀測資料와 沿岸定地海洋觀測資料, 浮游生物調査資料를 다음과 같이 綜合하였다.

第一編 : 沿岸定地 海洋觀測成績

1981年 韓國近海의 41個 沿岸定地觀測點에서 每日 1回(10時) 水溫, 氣溫 및 氣象調査를 實施한 資料中에서 表面 水溫의 每旬別 平均値를 算出하여 收錄하였다.

第二編 : 定線海洋觀測成績

1981年 韓國近海의 定線 20個線(東海 : 7個線, 南海 : 7個線, 西海 : 6個線)에서 隔月로 實施한 定線海洋觀測調査資料를 總務處 政府電子計算所의 協助를 받아서 電子計算機(UNIVAC 1106)로서 觀測資料의 標準化處理 및 力學計算을 實施 收錄하였다.

第三編 韓日共同海洋觀測成績

韓國共同海洋觀測點의 韓國側 63個 定點中 "第二編"의 定線 海洋觀測點과 重複되지 않는 12個 定點에 對한 資料를 收錄하였으며 資料의 處理는 "第二編"과 同一하다.

第四編 : 浮遊生物調査成績

定線海洋觀測時 Norpac Net (網目 0.33㎜)를 使用하여 定量 採集하였으며 採集 水層은 東海側이 100 ㎡, 西海側은 50 ㎡, 南海側은 底層에서 表面까지 0.5 ~ 1 ㎡/sec 의 速度로써 垂直 採集하여 約 5 %의 中性 Formalin으로 固定하였다.

採集된 浮游生物 試料는 實驗室에서 大形인 腔腸類, 甲殼類 및 被囊類等을 除去한후, 容積測定法에 依한 沈澱量과 重量測定法에 依한 湿重量을 測定하였으며, Copepoda, Chaetognatha, Amphipoda, Euphausiacea등을 計數表示하였다.

끝으로 定線海洋觀測資料의 標準化 處理 및 力學計算에 協助하여 주신 總務處 政府電子計算所 鄭忠九, 丁佐鎭氏에게 謝意를 表합니다.

DATA AND METHOD

The annual report were collected from data of the sectional oceanographic, coastal oceanographic and plankton in 1981.

PART 1: COASTAL OCEANOGRAPHIC DATA

The observations were carried out one a day surface water temperature, air temperature and meteorological observation at 41 stations in the Korean Waters, and the data were collected from ten days arerage of surface water temperature.

PART 2: SECTIONAL OCEANOGRAPHIC DATA

The observation were carried out 6 times of sectional oceanographic observation of 20 Lines in the Korean Waters.

The Data were collected water temperature, salinity and meteorological observation in the February, April, June, August, October and December 1981.

The data processing were computed the standardization and dynamic computation by computer(UNIVAC 1106) of Governmental Computer Center in the Ministry of General Affairs.

PART 3: KOREAN-JAPAN COOPERATIVE OCEANOGRAPHIC DATA

The data were collected from 12 stations that were not overlapping with sectional oceanographic station in PART 2, and data processing were as above method(PART 2).

PART 4 : PLANKTON DATA

Plankton samples were collected by vertical haul with Norpac Net(0.33 ㎜ mesh size). In general, sampling depth is from 100 ㎡ in the Eastern Sea, 50 ㎡ in the Western sea, and bottom in the Southern Sea to the surface, and the hauling speed is 0.5-1 ㎡/sec.

The samples obtained from the net were immediately preserved in about 5% neutral formalin.

For quantitative examination of plankton in the laboratory, the settling volume and the weight measurements were carried out after removing macroplanktons, such as Hybromedusae, Soyphimedusue and Doliolum.

Copepoda, Chaetognatha, Amphipoda and Euphausiacea were counted.

범 례

○ 정선해양관측자료

표 제 (표면 환경 정보)

위 치 : 한국 정선해양관측점 번호

위 도 : 북위 도수와 분, 1/10분 표시

36-30.5.N→36°30′30″ N

경 도 : 동경 도수와 분, 1/10분 표시

일 자 : 대한민국 표준시에 의거한 년, 월, 일

시 각 : 동경 135°의 자오선을 기준한 대한민국 표준시

수 심 : 저층까지의 총깊이 (*m* 표시)

수 색 : Forel 수색표준액의 수색번호 (1-11)

투명도 : 직경 30 *cm*의 백색 투명도판에 의한 측정 (*m* 표시)

파 랑 : 방향은 16방위 (자침방위)

계급은 10계급법 (0～9) 으로 표시

너 울 : 방향은 파랑과 동일, 계급은 4계급법 (0～3) 으로 표시

바 람 : 방향은 16방위 (자침방위)

계급은 Beaufort 풍력계급으로 표시

기 압 : Aneroid 기압계에 의해 mb로 표시

기 온 : 건구온도를 ℃로 표시

천 기 : 천기는 현재상태를 아래와 같이 표시

쾌청 (B) : 운량 0～2, 개임 (BC) : 운량 3～7, 흐림 (C) : 운량 8～10, 비 (R), 안개 (F), 눈 (S)

구 름 : 운형은 10종운형법으로 관측

운량은 천공의 10등분법에 의하여 목측

관 측 (표면하 관측)

수 심 : 자료 채집 수심 (m)

수 온 : 전도온도계로 측정하여 1/100℃ 까지 표시

염 분 : 전기전도도 염분계로 측정하고 천분율(‰)로 표시

보 삽 법

수 심 : 표준층의 수심 (m)

수온, 염분 : 관측자료를 표준층에 일치

계 산

밀 도 : g/ℓ 로 표시

D - T : Thermosteric anomaly $10^{-5} cm^3/g$

S V A : 현장비용 anomaly $10^{-5} cm^3/g$

D-DY : 역학심도 anomaly

EXPLANATION

SERIAL OCEANOGRAPHIC STATION DATA

Heading(Surface environmental infomation)

STATION	: Ship station number given by numeric arabian numbers as assigned by the originator.
LATITUDE	: Given in degrees, minutes and tenths of minutes with hemisphere indicatey by N.
LONGITUDE	: Given in degrees, minutes and tenths of minutes with hemisphere indicated by E.
DATE	: Given in month and day as determined by KST.
TIME	: Time of the beginning of observation given in hour and minute by KST referred to the meridian of 135° E.
DEPTH	: Depth to bottom given in whole meters.
COLOR	: Water color given according to Forel scale (1 ~ 11).
TRANS	: Transparency given in whole meters as determined by Secchi disc.
WAVE DIR/A	: Direction of wind waves given in 16 point scale of the compass bearing from which dominant waves are coming, and sea state (A) according to WMO code 3700 (Scale 0 ~ 9).
SWELL DIR/A	: Direction of swell given in 16 point scale of the compass bearing, from which dominont wave are coming, and sea state (A) according scale 0~3.
WIND DIR/A	: Direction of wind given in 16 point scale of the compass bearing from which wind is blowing, and wind force (F) in Beaufort scale.
BARO	: Barometric pressure given in millibars.
AIR TEMP DRY	: Dry-bulb temperature given in degrees calsius.

WEATHER		: Recorded in present weather: the abbreviations and the cloud cover are as follows; B: 0～2, BC: 3～7, C: 8～10, R: Rain, F: Fog, S: Snow.
CLOUD	T	: Cloud type recorded in ten type of the cloud.
	A	: Cloud amount recorded in tenths of whole sky covered.

Observed (Subsurface observations)

DEPTH	: Depth of sample given in whole meters.
TEMP	: Temperature given in degrees celsius.
SAL	: Salinity given in parts per thousand as determined by the inductive salinometer.

Interpolated

DEPTH	: Standard depths (IAPSO equivelent) given in whole meters.
TEMP, SAL	: Corresponding to the explanation of observed data.

Calculated

SIGMA-T	: Given in grams per liter.
D-T	: Thermosteric anomaly (D-T) given in $10^{-5}cm/g$
SVA	: Specific volume anomaly (SVA) given in $10^{-5}cm/g$
D-DY	: Dynamic depth anomaly (D-DY) given in dynamic meters.

제 1 편

연안정지해양관측성적

◇

PART 1

COASTAL OCEANOGRAPHIC DATA

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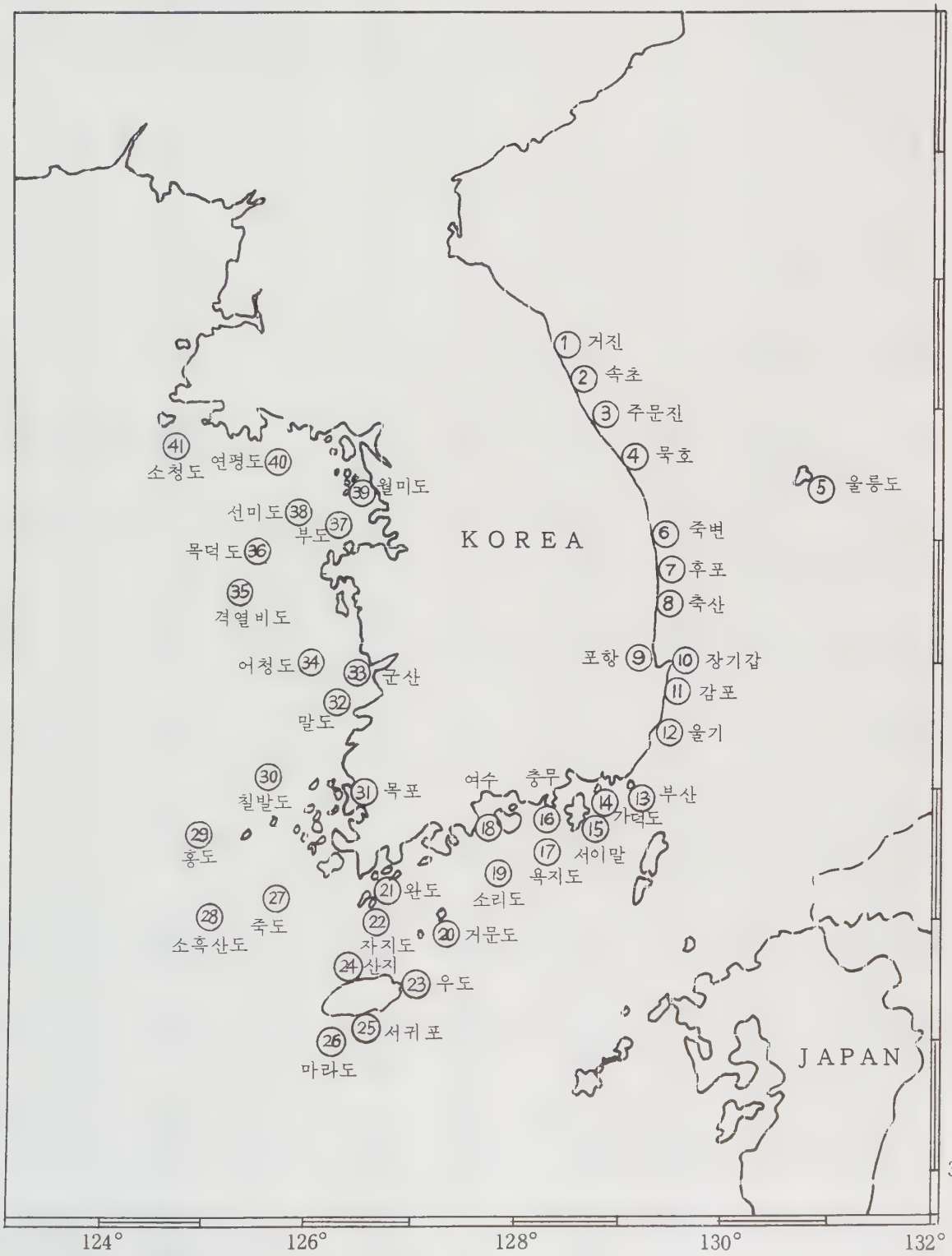

연안정지 해양관측점 위치도

Location of the Shore Stations

연안정지 월별 표면수온

Surfece Water Tamperature of the Shore Stations

월 Month	관측점 Station / 순 Ten day	① 거진 Geojin	② 속초 Sogcho	③ 주문진 Jumunjin	④ 묵호 Mugho	⑤ 울릉도 Ulneung-Do	⑥ 죽변 Jugbyeon	⑦ 후포 Hupo
1월 Jan.	상순 1st	4.64	1.92	3.91	4.46	9.74	8.38	6.90
	중순 2nd	4.40	1.86	3.77	3.42	9.35	8.29	8.20
	하순 3rd	5.34	1.73	3.56	2.88	8.98	5.54	7.40
	월평균 Mean	**4.79**	**1.84**	**3.75**	**3.59**	**9.35**	**7.40**	**7.50**
2월 Feb.	상순 1st	3.36	1.88	3.09	2.70	8.52	4.45	8.80
	중순 2nd	3.17	3.17	3.43	3.69	8.17	4.51	6.00
	하상 3rd	2.12	2.26	3.01	3.27	7.95	4.42	5.50
	월평균 Mean	**2.88**	**2.44**	**3.18**	**3.22**	**8.21**	**4.46**	**6.80**
3월 Mar.	상순 1st	2.15	2.61	2.82	4.29	7.40	6.39	6.50
	중순 2nd	2.39	4.33	3.60	6.28	8.02	6.58	6.40
	하순 3rd	3.19	4.84	4.37	6.15	8.30	7.15	7.23
	월평균 Mean	**2.58**	**3.92**	**3.60**	**5.57**	**7.91**	**6.71**	**6.71**
4월 Apr.	상순 1st	4.44	6.77	5.75	5.94	8.36	7.38	7.60
	중순 2nd	6.48	7.36	6.50	7.51	9.95	8.04	8.90
	하순 3rd	6.35	8.44	7.33	7.99	9.36	11.57	9.70
	월평균 Mean	**5.76**	**7.52**	**6.53**	**7.15**	**9.22**	**9.00**	**8.73**
5월 May	상순 1st	5.68	9.78	7.77	8.19	10.41	9.16	12.30
	중순 2nd	7.74	9.66	8.38	9.28	11.04	9.81	11.80
	하순 3rd	10.74	12.15	11.04	11.35	11.91	12.76	17.64
	월평균 Mean	**8.05**	**10.53**	**9.06**	**9.61**	**11.12**	**10.58**	**13.91**
6월 Jun.	상순 1st	10.77	14.12	12.35	12.80	12.53	12.64	18.10
	중순 2nd	12.28	15.13	13.29	13.29	15.07	12.46	16.25
	하순 3rd	14.82	16.36	15.71	15.36	16.57	13.23	17.65
	월평균 Mean	**12.62**	**15.20**	**13.78**	**13.82**	**14.72**	**12.78**	**17.33**
7월 Jul.	상순 1st	15.50	18.00	16.66	17.33	16.44	15.77	17.55
	중순 2nd	18.47	18.97	18.69	19.16	17.96	17.65	19.70
	하순 3rd	21.10	23.03	21.35	20.97	22.73	17.27	21.64
	월평균 Mean	**18.32**	**20.00**	**18.90**	**19.15**	**19.04**	**16.90**	**19.63**
8월 Aug.	상순 1st	19.34	22.97	21.44	21.50	22.61	17.55	19.15
	중순 2nd	20.18	21.49	21.04	20.80	21.65	19.40	19.05
	하순 3rd	21.16	22.64	21.83	21.72	20.93	20.27	19.24
	월평균 Mean	**20.23**	**22.37**	**21.44**	**21.34**	**21.86**	**19.07**	**19.15**
9월 Sep.	상순 1st	18.84	19.88	19.81	20.46	18.32	19.97	18.61
	중순 2nd	18.69	19.22	19.07	18.55	18.57	19.25	17.86
	하순 3rd	19.12	19.37	19.68	19.02	18.69	18.55	17.55
	월평균 Mean	**18.88**	**19.49**	**19.52**	**19.34**	**18.53**	**19.26**	**18.01**
10월 Oct.	상순 1st	17.87	18.60	18.81	18.59	18.26	18.35	16.90
	중순 2nd	16.59	16.64	17.54	17.16	18.34	18.10	16.95
	하순 3rd	14.23	14.15	15.37	14.86	16.41	15.44	15.52
	월평균 Mean	**16.23**	**16.46**	**17.24**	**16.87**	**17.67**	**17.30**	**16.46**
11월 Nov.	상순 1st	12.92	12.94	13.50	13.68	14.60	13.22	12.01
	중순 2nd	11.38	11.69	12.61	12.50	14.08	13.76	11.46
	하순 3rd	10.70	10.18	11.81	12.34	13.01	12.25	11.32
	월평균 Mean	**11.67**	**11.60**	**12.64**	**12.84**	**13.90**	**13.08**	**11.60**
12월 Dec.	상순 1st	8.93	8.44	10.45	10.11	11.07	12.66	13.65
	중순 2nd	6.88	7.62	10.08	9.87	14.21	12.37	12.52
	하순 3rd	6.11	6.04	9.81	10.00	14.62	12.54	11.45
	월평균 Mean	**7.31**	**7.37**	**10.11**	**9.99**	**13.30**	**12.52**	**12.54**
년 Year	년평균	**10.78**	**11.56**	**11.65**	**11.87**	**13.73**	**12.42**	**13.19**

월 Month	관측점 Station / 순 Ten day	⑧ 축 산 Chugsan	⑨ 포 항 Pohang	⑩ 장기갑 Janggigab	⑪ 감 포 Gampo	⑫ 울 기 Ulgi	⑬ 부 산 Busan	⑭ 가덕도 Gadeog-Do
1월 Jan.	상 순 1st	8.30	6.29	7.05	9.87	12.18	10.07	10.48
	중 순 2nd	6.90	5.56	5.53	8.92	10.74	9.20	9.48
	하 순 3rd	5.60	5.31	5.21	8.14	10.29	8.45	8.55
	월평균 Mean	**6.93**	**5.72**	**5.93**	**8.98**	**11.07**	**9.24**	**9.50**
2월 Feb.	상 순 1st	5.16	5.23	3.92	7.56	10.74	8.76	7.97
	중 순 2nd	5.14	5.51	5.28	8.78	11.21	10.08	9.24
	하 상 3rd	4.97	5.52	4.73	9.06	10.57	9.74	9.08
	월평균 Mean	**5.10**	**5.42**	**4.64**	**8.43**	**10.84**	**9.53**	**8.76**
3월 Mar.	상 순 1st	4.89	5.41	5.28	8.54	10.75	9.91	8.79
	중 순 2nd	5.28	6.45	6.88	8.38	11.10	11.03	9.99
	하 순 3rd	5.91	7.69	7.89	9.89	11.23	11.33	10.50
	월평균 Mean	**5.36**	**6.52**	**6.68**	**8.94**	**11.03**	**10.76**	**9.76**
4월 Apr.	상 순 1st	8.13	9.65	9.19	10.80	11.77	12.10	10.70
	중 순 2nd	9.01	10.81	11.10	12.43	12.11	12.41	12.62
	하 순 3rd	10.73	11.42	13.45	11.58	12.26	13.64	13.04
	월평균 Mean	**9.29**	**10.63**	**11.25**	**11.60**	**12.05**	**12.72**	**12.12**
5월 May	상 순 1st	10.62	11.78	13.70	10.09	11.80	14.40	13.25
	중 순 2nd	11.27	11.44	13.19	10.78	12.92	14.20	13.67
	하 순 3rd	13.65	13.82	15.68	13.07	12.89	15.36	15.27
	월평균 Mean	**11.85**	**12.35**	**14.19**	**11.31**	**12.54**	**14.65**	**14.06**
6월 Jun.	상 순 1st	14.62	16.19	15.37	14.55	12.56	15.33	15.20
	중 순 2nd	14.48	17.89	17.69	15.90	14.93	17.06	17.65
	하 순 3rd	13.98	17.10	17.58	14.97	14.00	17.30	18.76
	월평균 Mean	**14.36**	**17.06**	**16.89**	**15.14**	**13.83**	**16.56**	**17.20**
7월 Jul.	상 순 1st	16.53	15.57	18.83	14.00	12.31	18.14	18.39
	중 순 2nd	18.60	17.80	21.10	16.04	13.84	20.53	21.77
	하 순 3rd	21.17	23.30	23.30	21.01	20.83	22.50	21.55
	월평균 Mean	**18.77**	**19.56**	**21.08**	**17.02**	**15.66**	**20.39**	**20.57**
8월 Aug.	상 순 1st	18.61	21.68	22.66	20.46	20.51	23.15	22.57
	중 순 2nd	19.32	22.89	23.14	22.11	20.14	24.64	23.38
	하 순 3rd	20.22	21.93	21.77	20.78	18.72	24.63	23.65
	월평균 Mean	**19.38**	**22.17**	**22.52**	**21.25**	**19.79**	**24.14**	**23.17**
9월 Sep.	상 순 1st	19.95	21.50	20.86	20.65	18.03	22.88	22.06
	중 순 2nd	18.87	20.31	20.02	21.08	18.72	21.89	21.09
	하 순 3rd	18.01	19.69	19.71	19.78	19.42	21.34	19.85
	월평균 Mean	**18.94**	**20.50**	**20.20**	**20.50**	**18.72**	**22.04**	**21.00**
10월 Oct.	상 순 1st	18.04	18.56	18.32	20.17	19.00	20.27	19.37
	중 순 2nd	17.28	17.76	16.21	18.94	17.47	18.07	17.63
	하 순 3rd	16.32	16.35	14.19	18.37	16.05	17.13	16.48
	월평균 Mean	**17.21**	**17.56**	**16.24**	**19.16**	**17.51**	**18.49**	**17.83**
11월 Nov.	상 순 1st	15.04	15.01	13.75	15.99	15.13	15.71	13.32
	중 순 2nd	14.32	12.64	12.27	15.60	15.31	14.81	14.17
	하 순 3rd	14.30	12.23	12.25	15.74	14.08	13.90	13.91
	월평균 Mean	**14.55**	**13.29**	**12.76**	**15.78**	**14.84**	**14.81**	**13.80**
12월 Dec.	상 순 1st	14.13	11.37	11.51	15.44	12.35	12.27	13.50
	중 순 2nd	13.31	11.31	11.78	14.60	12.69	12.40	12.38
	하 순 3rd	13.13	11.74	10.85	14.50	11.69	12.17	13.20
	월평균 Mean	**13.52**	**11.47**	**11.38**	**14.85**	**12.24**	**12.28**	**13.03**
년 Year	년 평 균	**12.94**	**13.52**	**13.59**	**14.40**	**14.18**	**15.47**	**15.07**

월 Month	관측점 Station / 순 Ten day	⑮ 서이말 Seoimal	⑯ 충무 Chungmu	⑰ 욕지도 Yogji-Do	⑱ 여수 Yeosu	⑲ 소리도 Sori-Do	⑳ 거문도 Geomun-Do	㉑ 완도 Wan-Do
1월 Jan.	상순 1st	12.54	5.17	8.90	4.65	8.89	12.34	-
	중순 2nd	11.71	5.23	8.51	3.75	8.11	12.34	-
	하순 3rd	10.67	5.89	8.84	4.04	7.99	11.77	-
	월평균 Mean	**11.64**	**5.43**	**8.75**	**4.15**	**8.33**	**12.15**	-
2월 Feb.	상순 1st	10.35	6.60	8.60	4.44	7.57	11.87	7.61
	중순 2nd	10.39	7.72	8.50	5.27	7.72	12.31	8.35
	하상 3rd	11.02	7.02	-	5.20	7.36	11.94	7.90
	월평균 Mean	**10.56**	**7.12**	**(8.55)**	**4.97**	**7.55**	**12.04**	**7.95**
3월 Mar.	상순 1st	10.90	6.34	7.55	5.65	8.42	10.87	7.33
	중순 2nd	10.88	8.77	8.20	7.76	9.20	11.34	9.05
	하순 3rd	11.19	10.29	6.70	9.03	10.41	12.25	10.17
	월평균 Mean	**10.99**	**8.46**	**7.48**	**7.48**	**9.34**	**11.49**	**8.85**
4월 Apr.	상순 1st	11.87	12.09	8.55	10.80	10.65	12.41	11.20
	중순 2nd	12.89	13.27	8.20	12.40	11.88	12.57	12.56
	하순 3rd	12.72	15.14	8.35	13.70	12.18	12.43	13.74
	월평균 Mean	**12.49**	**13.50**	**8.37**	**12.30**	**11.57**	**12.47**	**12.50**
5월 May	상순 1st	12.71	16.05	8.70	14.71	12.92	12.52	14.67
	중순 2nd	12.44	16.22	8.50	15.61	13.63	12.41	14.66
	하순 3rd	13.53	18.19	8.30	16.87	14.29	12.42	15.05
	월평균 Mean	**12.89**	**16.82**	**8.50**	**15.73**	**13.58**	**12.45**	**14.99**
6월 Jun.	상순 1st	14.03	18.65	13.85	18.17	15.88	13.50	16.33
	중순 2nd	13.90	18.45	14.85	19.34	17.52	15.92	16.78
	하순 3rd	14.68	19.55	15.90	20.28	16.70	17.37	17.73
	월평균 Mean	**14.20**	**18.88**	**14.87**	**19.26**	**16.70**	**15.60**	**16.95**
7월 Jul.	상순 1st	15.42	19.58	16.55	20.70	17.72	18.12	17.96
	중순 2nd	17.12	21.56	17.15	21.92	19.69	21.57	20.25
	하순 3rd	18.82	22.30	17.18	22.30	21.66	23.48	20.38
	월평균 Mean	**17.12**	**21.15**	**16.96**	**21.64**	**19.69**	**21.06**	**19.53**
8월 Aug.	상순 1st	21.65	23.25	21.61	23.67	23.11	24.24	21.43
	중순 2nd	22.15	24.49	23.09	23.63	24.12	25.96	22.83
	하순 3rd	23.04	24.90	23.73	24.43	27.32	25.67	21.95
	월평균 Mean	**22.28**	**24.21**	**22.81**	**23.93**	**24.85**	**25.29**	**22.07**
9월 Sep.	상순 1st	22.36	23.06	23.97	23.54	27.01	23.59	22.20
	중순 2nd	22.41	22.05	22.89	22.92	24.45	22.00	21.01
	하순 3rd	21.03	21.06	22.23	22.38	21.36	21.49	20.41
	월평균 Mean	**21.93**	**22.06**	**23.03**	**22.95**	**24.27**	**22.36**	**21.21**
10월 Oct.	상순 1st	20.16	19.59	21.35	20.98	19.92	21.97	19.36
	중순 2nd	17.86	18.32	20.30	19.18	18.46	18.18	17.38
	하순 3rd	16.19	16.33	18.33	17.00	17.10	17.61	16.08
	월평균 Mean	**18.07**	**18.08**	**19.99**	**19.05**	**18.49**	**19.25**	**17.61**
11월 Nov.	상순 1st	16.65	14.63	16.15	14.76	16.35	16.78	14.60
	중순 2nd	15.20	13.10	15.05	12.69	15.03	16.35	13.11
	하순 3rd	15.04	11.83	14.89	11.47	13.82	16.76	11.28
	월평균 Mean	**15.63**	**13.19**	**15.36**	**12.97**	**15.07**	**16.63**	**12.99**
12월 Dec.	상순 1st	14.98	9.15	14.84	9.15	12.59	15.00	9.62
	중순 2nd	13.88	8.28	14.42	7.90	12.29	14.41	9.26
	하순 3rd	12.98	8.59	15.14	7.70	11.27	14.32	8.99
	월평균 Mean	**13.95**	**8.67**	**14.80**	**8.25**	**12.05**	**14.58**	**9.29**
년 Year	년평균	**15.15**	**14.80**	**14.28**	**14.39**	**15.13**	**16.28**	**(14.90)**

월 Month	관측점 Station / 순 Ten day	㉒ 자지도 Jaji-Do	㉓ 우도 U-Do	㉔ 산지 Sanji	㉕ 서귀포 Seogwipo	㉖ 마라도 Mara-Do	㉗ 죽도 Jug-Do	㉘ 소흑산도 Soheugsan-Do
1월 Jan.	상순 1st	8.43	14.68	19.20	15.80	14.04	9.60	9.74
	중순 2nd	9.03	13.74	18.94	14.65	14.16	9.20	9.40
	하순 3rd	8.71	13.15	18.93	14.08	13.93	8.20	9.12
	월평균 Mean	**8.72**	**13.86**	**19.02**	**14.84**	**14.04**	**9.00**	**9.42**
2월 Feb.	상순 1st	9.24	12.84	18.68	13.81	13.53	7.95	8.36
	중순 2nd	8.86	13.46	18.60	13.33	13.85	7.96	8.55
	하상 3rd	7.85	13.50	17.90	12.64	12.92	9.10	8.65
	월평균 Mean	**8.65**	**13.27**	**18.39**	**13.26**	**13.43**	**8.33**	**8.52**
3월 Mar.	상순 1st	8.61	13.57	17.80	12.93	13.33	9.40	8.75
	중순 2nd	9.80	13.70	18.00	13.05	13.23	9.00	9.81
	하순 3rd	9.87	13.79	17.80	13.50	13.60	8.94	7.96
	월평균 Mean	**9.43**	**13.69**	**17.87**	**13.16**	**13.39**	**9.11**	**8.84**
4월 Apr.	상순 1st	10.97	13.94	15.36	13.86	13.45	9.08	7.78
	중순 2nd	11.66	14.09	14.11	14.65	14.11	10.02	8.39
	하순 3rd	11.87	14.30	14.36	14.73	14.47	10.15	8.80
	월평균 Mean	**11.50**	**14.11**	**14.61**	**14.41**	**14.01**	**9.75**	**8.32**
5월 May	상순 1st	12.40	14.71	14.36	14.92	14.16	10.90	9.29
	중순 2nd	12.86	15.27	14.66	15.62	14.28	10.45	10.14
	하순 3rd	13.47	15.89	16.25	16.23	15.05	11.91	12.10
	월평균 Mean	**12.91**	**15.29**	**15.09**	**15.59**	**14.50**	**11.11**	**10.51**
6월 Jun.	상순 1st	13.75	16.41	17.82	17.22	16.62	13.44	12.63
	중순 2nd	15.03	17.75	20.06	18.96	19.11	14.95	16.07
	하순 3rd	15.39	18.94	21.92	19.85	21.26	15.40	16.46
	월평균 Mean	**14.72**	**17.70**	**19.93**	**18.68**	**19.00**	**14.50**	**15.05**
7월 Jul.	상순 1st	16.33	20.43	24.51	18.75	21.69	15.34	17.80
	중순 2nd	18.36	21.40	25.32	22.61	25.45	16.65	17.98
	하순 3rd	19.23	23.15	25.40	25.47	27.77	16.72	23.00
	월평균 Mean	**17.97**	**21.66**	**25.08**	**22.28**	**24.79**	**16.24**	**19.59**
8월 Aug.	상순 1st	20.13	24.80	25.32	26.86	27.28	16.92	25.32
	중순 2nd	22.23	24.52	25.18	27.26	27.19	17.11	24.72
	하순 3rd	21.38	22.82	24.93	26.02	25.47	19.25	23.01
	월평균 Mean	**21.25**	**24.05**	**25.14**	**26.71**	**26.64**	**17.76**	**24.35**
9월 Sep.	상순 1st	21.44	22.28	24.55	25.26	25.29	21.33	22.45
	중순 2nd	21.23	21.48	24.34	24.31	23.34	19.68	20.75
	하순 3rd	19.04	22.11	24.30	23.78	24.24	17.79	20.69
	월평균 Mean	**20.57**	**21.96**	**24.40**	**24.45**	**24.29**	**19.60**	**21.29**
10월 Oct.	상순 1st	17.69	21.64	23.88	23.12	22.97	17.90	18.52
	중순 2nd	17.23	21.57	22.98	22.16	22.15	15.46	17.76
	하순 3rd	16.62	20.67	21.97	21.00	21.31	15.05	16.51
	월평균 Mean	**17.18**	**21.29**	**22.94**	**22.09**	**22.14**	**16.14**	**17.60**
11월 Nov.	상순 1st	15.10	18.73	20.69	20.40	20.34	14.20	14.24
	중순 2nd	13.91	18.02	19.69	19.77	19.61	12.90	12.92
	하순 3rd	12.92	18.05	18.71	19.00	18.22	12.20	12.12
	월평균 Mean	**13.98**	**18.27**	**19.70**	**19.72**	**19.39**	**13.10**	**13.09**
12월 Dec.	상순 1st	10.78	17.14	17.07	18.02	16.59	11.90	10.55
	중순 2nd	9.46	16.48	16.07	16.75	16.52	11.50	10.30
	하순 3rd	8.93	16.03	15.37	15.90	16.31	10.14	10.08
	월평균 Mean	**9.72**	**16.55**	**16.17**	**16.89**	**16.47**	**11.18**	**10.31**
년 Year	년평균	**13.88**	**17.64**	**19.86**	**18.51**	**18.52**	**12.99**	**13.91**

월 Month	관측점 Station / 순 Ten day	㉙ 홍도 Hong-Do	㉚ 칠발도 Chilbal-Do	㉛ 목포 Mogpo	㉜ 말도 Mal-Do	㉝ 군산 Gunsan	㉞ 어청도 Eocheong-Do	㉟ 격열비도 Gyeogyeolbi-Do
1월 Jan.	상순 1st	7.67	5.48	3.32	4.44	0.39	5.84	5.65
	중순 2nd	7.38	5.59	3.56	2.95	0.44	5.48	3.75
	하순 3rd	6.31	5.63	3.59	2.86	0.35	4.49	3.33
	월평균 Mean	**7.12**	**5.57**	**3.49**	**3.42**	**0.39**	**5.27**	**4.24**
2월 Feb.	상순 1st	6.32	5.76	3.68	3.12	0.76	3.64	3.15
	중순 2nd	6.54	5.95	5.19	3.26	2.93	3.24	3.22
	하상 3rd	5.63	5.50	5.21	3.36	2.92	3.10	3.10
	월평균 Mean	**6.16**	**5.75**	**4.69**	**3.25**	**2.20**	**3.33**	**3.15**
3월 Mar.	상순 1st	5.21	5.37	5.00	3.51	2.62	3.00	2.51
	중순 2nd	5.63	5.65	6.66	3.78	6.12	3.74	3.20
	하순 3rd	6.11	6.54	8.42	4.84	8.46	4.56	3.88
	월평균 Mean	**5.65**	**5.85**	**6.69**	**4.04**	**5.73**	**3.76**	**3.19**
4월 Apr.	상순 1st	6.79	7.47	10.06	7.22	10.12	5.18	4.23
	중순 2nd	7.26	8.65	11.38	8.26	11.99	5.66	5.08
	하순 3rd	8.76	9.81	12.86	9.41	14.11	6.36	7.14
	월평균 Mean	**7.60**	**8.64**	**11.43**	**8.30**	**12.07**	**5.73**	**5.48**
5월 May	상순 1st	9.19	11.12	14.80	10.22	15.83	7.32	8.10
	중순 2nd	9.39	12.53	15.31	12.27	17.59	8.94	9.54
	하순 3rd	13.18	13.94	16.85	14.14	18.79	12.12	12.20
	월평균 Mean	**10.59**	**12.53**	**15.65**	**12.21**	**17.40**	**9.46**	**9.95**
6월 Jun.	상순 1st	12.89	14.74	18.43	15.39	20.52	13.34	13.24
	중순 2nd	14.04	15.28	19.76	17.19	22.80	14.51	16.54
	하순 3rd	17.89	15.93	21.29	18.00	23.78	15.04	19.09
	월평균 Mean	**14.94**	**15.32**	**19.83**	**16.86**	**22.37**	**14.30**	**16.29**
7월 Jul.	상순 1st	20.80	16.86	22.79	18.80	24.15	17.56	19.61
	중순 2nd	20.89	17.79	25.09	21.30	24.64	20.66	22.75
	하순 3rd	21.37	18.70	26.66	22.36	28.13	22.38	24.98
	월평균 Mean	**21.02**	**17.78**	**24.91**	**20.82**	**25.64**	**20.20**	**22.45**
8월 Aug.	상순 1st	19.80	18.66	25.39	23.15	26.85	22.60	21.66
	중순 2nd	22.52	18.78	25.46	23.75	27.36	22.58	21.09
	하순 3rd	22.88	18.85	24.64	23.27	26.03	22.31	22.77
	월평균 Mean	**21.77**	**18.76**	**25.16**	**23.39**	**26.74**	**22.50**	**21.84**
9월 Sep.	상순 1st	19.14	19.23	22.99	22.25	22.89	20.68	20.84
	중순 2nd	18.44	18.94	21.88	20.44	23.20	19.54	19.28
	하순 3rd	20.36	18.29	21.56	20.42	22.89	19.48	20.42
	월평균 Mean	**19.31**	**18.82**	**22.14**	**21.04**	**22.99**	**19.90**	**20.18**
10월 Oct.	상순 1st	17.08	17.70	20.31	19.62	20.80	18.70	19.41
	중순 2nd	15.98	17.47	18.48	17.50	18.17	17.23	17.84
	하순 3rd	13.57	16.34	16.24	15.68	14.27	15.33	15.48
	월평균 Mean	**15.74**	**17.17**	**18.34**	**17.60**	**17.75**	**17.09**	**17.58**
11월 Nov.	상순 1st	14.38	14.94	14.29	12.65	11.66	13.30	13.05
	중순 2nd	12.10	13.62	12.45	11.32	9.30	11.62	11.34
	하순 3rd	11.05	12.42	10.56	10.51	8.45	11.09	10.13
	월평균 Mean	**12.63**	**13.66**	**12.43**	**11.49**	**9.80**	**12.00**	**11.51**
12월 Dec.	상순 1st	9.95	10.26	8.82	8.45	5.48	9.56	9.51
	중순 2nd	9.37	8.91	7.36	7.22	5.05	8.50	8.44
	하순 3rd	9.34	7.68	6.64	5.95	3.84	7.44	7.39
	월평균 Mean	**9.55**	**8.95**	**7.61**	**7.21**	**4.79**	**8.50**	**8.45**
년 Year	년평균	**12.64**	**12.40**	**14.36**	**12.47**	**13.99**	**11.84**	**12.03**

월 Month	관측점 Station / 순 Ten day	㊱ 목덕도 Mogdeog-Do	㊲ 부 도 Bu-Do	㊳ 선미도 Seonmi-Do	㊴ 월미도 Weolmi-Do	㊵ 연평도 Yeonpyeong-Do	㊶ 소청도 Socheong-Do
1월 Jan.	상 순 1st	3.06	2.99	2.44	0.32	-0.40	5.22
	중 순 2nd	1.65	1.44	1.99	-0.01	-0.74	4.80
	하 순 3rd	1.23	1.13	1.47	-0.32	-0.55	3.86
	월평균 Mean	**1.98**	**1.85**	**1.97**	**0.00**	**-0.56**	**4.63**
2월 Feb.	상 순 1st	2.33	1.71	1.43	0.02	-0.04	3.28
	중 순 2nd	3.27	2.07	1.36	1.91	1.16	3.65
	하 상 3rd	3.10	2.12	1.21	0.34	0.83	3.70
	월평균 Mean	**2.90**	**1.97**	**1.33**	**0.76**	**0.65**	**3.54**
3월 Mar	상 순 1st	2.12	1.97	1.82	2.35	1.43	4.17
	중 순 2nd	2.39	2.80	2.65	4.30	2.59	4.26
	하 순 3rd	3.41	4.20	3.93	5.62	4.62	4.68
	월평균 Mean	**2.64**	**2.99**	**2.80**	**4.09**	**2.98**	**4.37**
4월 Apr.	상 순 1st	4.31	5.38	4.68	6.80	6.30	5.07
	중 순 2nd	5.69	6.12	6.24	8.68	8.12	5.59
	하 순 3rd	7.11	7.64	8.41	10.69	9.91	6.55
	월평균 Mean	**5.70**	**6.38**	**6.44**	**8.72**	**8.11**	**5.74**
5월 May	상 순 1st	8.38	8.99	9.17	12.13	11.35	7.59
	중 순 2nd	9.17	9.74	10.06	13.18	12.55	8.51
	하 순 3rd	10.46	11.42	11.29	15.15	14.52	9.79
	월평균 Mean	**9.34**	**10.05**	**10.17**	**13.49**	**12.81**	**8.63**
6월 Jun.	상 순 1st	12.16	13.10	13.87	16.93	16.31	10.87
	중 순 2nd	13.29	14.42	15.01	18.77	17.92	13.34
	하 순 3rd	14.51	15.89	16.28	20.49	19.52	14.56
	월평균 Mean	**13.32**	**14.47**	**15.05**	**18.73**	**17.92**	**12.92**
7월 Jul.	상 순 1st	15.94	17.67	17.41	20.68	20.30	15.59
	중 순 2nd	17.56	18.50	19.15	21.93	21.92	17.79
	하 순 3rd	19.90	20.03	20.87	25.25	24.49	20.01
	월평균 Mean	**17.80**	**18.73**	**19.14**	**22.62**	**22.24**	**17.80**
8월 Aug.	상 순 1st	22.34	21.46	22.93	25.07	25.33	20.77
	중 순 2nd	22.44	22.53	24.09	25.44	25.00	20.67
	하 순 3rd	21.88	23.28	23.24	24.94	24.25	19.77
	월평균 Mean	**22.20**	**22.42**	**23.42**	**25.14**	**24.86**	**20.40**
9월 Sep.	상 순 1st	20.44	22.78	22.44	22.13	22.54	18.96
	중 순 2nd	19.47	21.92	21.95	21.63	21.42	18.51
	하 순 3rd	18.87	21.03	21.40	20.98	21.23	17.90
	월평균 Mean	**19.59**	**21.91**	**21.93**	**12.58**	**21.73**	**18.46**
10월 Oct.	상 순 1st	18.38	19.70	19.34	19.45	19.54	17.14
	중 순 2nd	17.43	18.25	18.65	17.19	18.05	15.67
	하 순 3rd	15.76	16.53	16.49	12.65	15.04	12.84
	월평균 Mean	**17.19**	**18.16**	**18.16**	**16.43**	**17.54**	**15.22**
11월 Nov.	상 순 1st	13.70	14.26	14.19	11.10	12.23	10.34
	중 순 2nd	11.90	12.43	12.79	10.16	9.78	9.34
	하 순 3rd	10.01	10.88	11.55	9.33	7.23	8.79
	월평균 Mean	**11.87**	**12.52**	**12.84**	**10.20**	**9.75**	**9.49**
12월 Dec.	상 순 1st	8.21	9.18	9.57	5.66	4.95	8.30
	중 순 2nd	7.02	7.45	7.43	5.57	3.83	7.61
	하 순 3rd	6.02	6.55	6.06	5.55	3.14	7.04
	월평균 Mean	**7.08**	**7.73**	**7.69**	**5.59**	**3.97**	**7.65**
년 Year	년 평 균	10.97	11.60	11.75	12.28	11.82	10.74

연안정지 해양관측점 위치표

Position of the Shore Stations

해역 Region	번호 No.	관측지명 Name of the Station	위치 Position 북위 Lat. (N)	동경 Long. (E)	관측회수 Frequency of Observation	관측개시년월 Data of Inauguration
동해안 East Coast	1	거진 Geojin	38°28′30″	128°26′00″	매일 Daily ※	1967. 4
	2	속초 Sogcho	38°12′32″	128°36′18″	매일 Daily 〃	1967. 4
	3	주문진 Jumunjin	37°53′15″	128°50′00″	매일 Daily 〃	1952. 8
	4	묵호 Mugho	37°32′58″	129°07′15″	매일 Daily 〃	1967. 6
	5	울릉도 Ulneung-Do	37°29′00″	130°54′35″	매일 Daily 〃	1931. 11
	6	죽변 Jugbyeon	37°03′28″	129°26′00″	매일 Daily 〃	1916. 7
	7	후포 Hupo	36°40′42″	129°27′42″	매일 Daily 〃	1968. 9
	8	축산 Chugsan	36°30′29″	129°27′37″	매일 Daily 〃	1968. 4
	9	포항 Pohang	36°02′56″	129°26′10″	매일 Daily 〃	1946. 7
	10	장기갑 Janggigab	36°04′35″	129°34′30″	매일 Daily 〃	1916. 7
	11	감포 Gampo	35°48′20″	129°30′40″	매일 Daily 〃	1967. 5
	12	울기 Ulgi	35°29′28″	129°26′50″	매일 Daily 〃	1939. 1
남해안 South Coast	13	부산 Busan	35°05′08″	129°02′07″	매일 Daily 〃	1925. 3
	14	가덕도 Gadeog-Do	34°59′20″	128°49′50″	매일 Daily 〃	1930. 1
	15	서이말 Seoimal	34°47′00″	128°44′10″	매일 Daily 〃	1967. 4
	16	충무 Chungmu	34°49′55″	128°24′40″	매일 Daily 〃	1979. 5
	17	욕지도 Yogji-Do	34°40′50″	128°10′35″	매일 Daily 〃	1969. 1
	18	여수 Yeosu	34°44′00″	127°44′00″	매일 Daily 〃	1921. 1
	19	소리도 Sori-Do	34°24′15″	127°48′15″	매일 Daily 〃	1928. 4
	20	거문도 Geomun-Do	34°00′30″	127°19′15″	매일 Daily 〃	1916. 7
	21	완도 Wan-Do	34°19′10″	126°45′00″	매일 Daily 〃	1967. 9
	22	자지도 Jaji-Do	34°05′20″	126°36′15″	매일 Daily 〃	1928. 4
	23	우도 U-Do	33°29′10″	126°58′10″	매일 Daily 〃	1967. 4
	24	산지 Sanji	33°31′10″	126°33′00″	매일 Daily 〃	1923. 10
	25	서귀포 Seogwipo	33°13′30″	126°34′45″	매일 Daily 〃	1963. 1
	26	마라도 Mara-Do	33°06′45″	126°16′20″	매일 Daily 〃	1923. 10
서해안 West Coast	27	죽도 Jug-Do	34°13′30″	125°51′00″	매일 Daily 〃	1916. 7
	28	소흑산도 Soheugsan-Do	34°05′30″	125°06′05″	매일 Daily 〃	1925. 10
	29	홍도 Hong-Do	34°42′30″	125°13′00″	매일 Daily 〃	1933. 1
	30	칠발도 Chilbal-Do	34°47′25″	125°47′30″	매일 Daily 〃	1967. 5
	31	목포 Mogpo	34°46′40″	126°23′05″	매일 Daily 〃	1928. 8
	32	말도 Mal-Do	35°51′15″	126°19′10″	매일 Daily 〃	1967. 4
	33	군산 Gunsan	35°59′15″	126°43′00″	매일 Daily 〃	1939. 4
	34	어청도 Eocheong-Do	36°06′40″	125°59′15″	매일 Daily 〃	1916. 7
	35	격열비도 Gyeogyeolbi-Do	36°37′15″	125°33′20″	매일 Daily 〃	1916. 7
	36	목덕도 Mogdeog-Do	36°55′40″	125°45′30″	매일 Daily 〃	1967. 9
	37	부도 Bu-Do	37°08′40″	126°21′00″	매일 Daily 〃	1926. 1
	38	선미도 Seonmi-Do	37°17′10″	126°04′45″	매일 Daily 〃	1967. 7
	39	월미도 Weolmi-Do	37°28′25″	126°36′30″	매일 Daily 〃	1967. 4
	40	연평도 Yeonpyeong-Do	37°38′55″	125°41′10″	매일 Daily 〃	1967. 5
	41	소청도 Socheong-Do	37°45′00″	124°44′00″	매일 Daily 〃	1916. 7

※ 매일 오전 10시 관측, At 10 A.M

제 2 편

정 선 해 양 관 측 성 적

(수온, 염분 및 기상관측자료)

PART 2

SECTIONAL OCEANOGRAPHIC DATA

(Temperature, Salinity and Meteorological Data)

1 9 8 1

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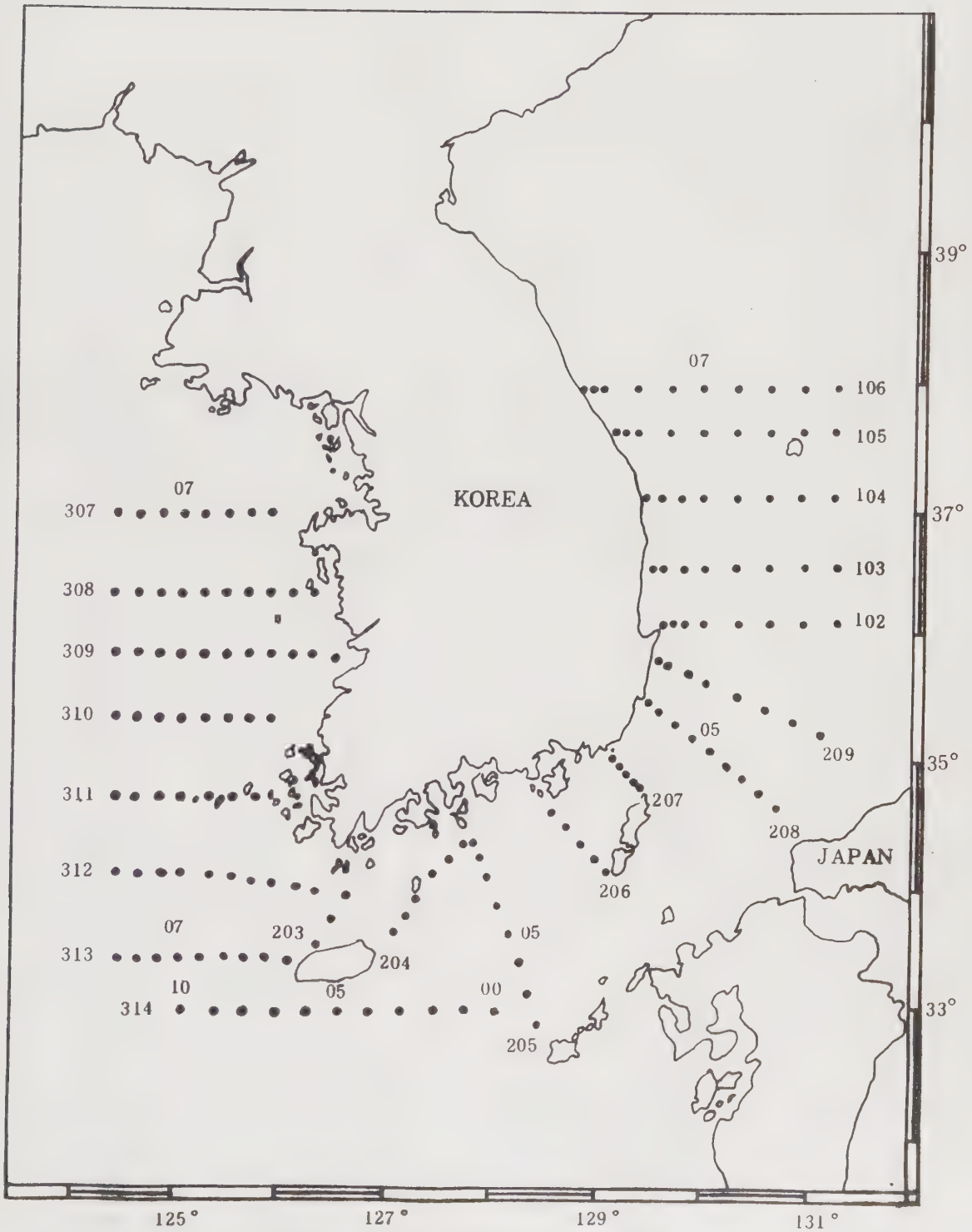

정선 해양관측점 위치도

Location of the Serial Oceanographic Stations

정선 해양관측점 위치표

Position of the Serial Oceanographic Stations

St. No. / Line	00	01	02	03	04	05
106			37° 53.7′ 128° 52.5′	37° 53.7′ 128° 57.2′	37° 53.7′ 129° 53.8′	37° 53.7′ 129° 22.1′
105				37° 33.2′ 129° 10.3′	37° 33.2′ 129° 15.5′	37° 33.2′ 129° 22.6′
104					37° 03.4′ 129° 28.8′	37° 03.4′ 129° 33.6′
103					36° 30.3′ 129° 30.1′	36° 30.3′ 129° 35.4′
102					36° 04.6′ 129° 36.9′	36° 04.6′ 129° 41.3′
209					35° 47.3′ 129° 32.8′	35° 45.4′ 129° 38.4′
208		35° 28.5′ 129° 27.3′	35° 24.3′ 129° 33.8′	35° 17.8′ 129° 42.9′	35° 11.1′ 129° 52.7′	35° 04.8′ 130° 02.0′
207		35° 01.3′ 129° 07.2′	34° 57.6′ 129° 11.2′	34° 53.9′ 129° 15.4′	34° 50.2′ 129° 19.5′	34° 48.0′ 129° 21.8′
206		34° 35.5′ 128° 34.5′	34° 29.6′ 128° 41.2′	34° 22.4′ 128° 49.7′	34° 15.3′ 128° 58.0′	34° 08.1′ 129° 06.3′
205		34° 22.3′ 127° 48.5′	34° 15.0′ 127° 52.1′	34° 05.5′ 127° 56.9′	33° 51.5′ 128° 63.0′	33° 37.3′ 128° 09.2′
204		34° 20.8′ 127° 43.9′	34° 13.7′ 127° 35.4′	34° 06.7′ 127° 26.8′	33° 54.1′ 127° 15.2′	33° 45.5′ 127° 09.2′
203		33° 56.6′ 126° 31.4′	33° 47.5′ 126° 26.3′	33° 38.3′ 126° 21.3′		
314	33° 00.0′ 128° 00.0′	33° 00.0′ 127° 42.0′	33° 00.0′ 127° 24.0′	33° 00.0′ 127° 06.0′	33° 00.0′ 126° 48.0′	33° 00.0′ 126° 30.0′
313			33° 24.4′ 126° 00.0′	33° 24.4′ 125° 40.0′	33° 24.4′ 125° 36.0′	33° 24.4′ 125° 24.0′
312			33° 58.5′ 126° 26.0′	33° 59.8′ 125° 54.0′	34° 01.3′ 125° 42.0′	34° 02.6′ 125° 30.0′
311					34° 43.0′ 125° 43.9′	34° 43.0′ 125° 31.9′
310				35° 20.1′ 125° 49.3′	35° 20.1′ 125° 36.5′	35° 20.1′ 125° 24.4′
309		35° 51.3′ 126° 14.7′	35° 51.3′ 126° 02.0′	35° 51.3′ 125° 49.3′	35° 51.3′ 125° 37.0′	35° 51.3′ 125° 24.4′
308		36° 19.8′ 126° 14.4′	36° 19.8′ 126° 02.3′	36° 19.8′ 125° 50.0′	36° 19.8′ 125° 37.0′	36° 19.8′ 125° 25.3′
307				36° 56.5′ 126° 00.0′	36° 55.5′ 125° 37.7′	36° 55.5′ 125° 25.0′

06	07	08	09	10	11
37° 53.7′	37° 53.7′	37° 53.7′	37° 53.7′	37° 53.7′	37° 53.7′
129° 41.3′	130° 00.0′	130° 18.9′	130° 37.7′	130° 56.5′	131° 15.1′
37° 33.2′	37° 33.2′	37° 33.2′	37° 33.2′	37° 33.2′	37° 33.2′
129° 41.3′	130° 00.0′	130° 18.7′	130° 37.5′	130° 55.9′	131° 14.6′
37° 03.4′	37° 03.4′	37° 03.4′	37° 03.4′	37° 03.4′	37° 03.4′
129° 47.6′	130° 00.0′	130° 18.7′	130° 37.6′	130° 56.4′	131° 15.3′
36° 30.3′	36° 30.3′	36° 30.3′	36° 30.3′	36° 30.3′	36° 30.3′
129° 47.3′	130° 00.0′	130° 18.6′	130° 37.3′	130° 55.6′	131° 14.0′
36° 04.6′	36° 04.6′	36° 04.6′	36° 04.6′	36° 04.6′	36° 04.6′
129° 42.8′	130° 00.0′	130° 18.4′	130° 36.9′	130° 55.1′	131° 13.6′
35° 41.3′	35° 36.8′	35° 30.8′	35° 24.4′	35° 17.8′	35° 11.4′
129° 49.0′	130° 00.0′	130° 16.9′	130° 33.5′	130° 50.0′	131° 06.6′
34° 58.2′	34° 52.6′	34° 45.3′	34° 38.9′		
130° 11.9′	130° 20.9′	130° 30.6′	130° 40.5′		
33° 23.8′	33° 09.7′	32° 55.9′			
128° 14.3′	128° 21.3′	128° 27.0′			
33° 35.8′					
128° 03.2′					
33° 00.0′	33° 00.0′	33° 00.0′	33° 00.0′	33° 00.0′	
126° 12.0′	125° 54.0′	125° 36.0′	125° 18.0′	125° 00.0′	
33° 24.4′	33° 24.4′	33° 24.4′	33° 24.4′	33° 24.4′	
125° 12.0′	125° 00.0′	124° 48.0′	124° 36.0′	124° 24.0′	
34° 04.1′	34° 05.5′	34° 05.5′	34° 05.5′	34° 05.5′	
125° 18.0′	125° 00.0′	124° 48.0′	124° 36.0′	124° 24.0′	
34° 43.0′	34° 43.0′	34° 43 0′	34° 43.0′	34° 43.0′	
125° 19.4′	125° 00.0′	124° 47.9′	124° 35.8′	124° 23.4′	
35° 20.1′	35° 20.1′	35° 20.1′	35° 20.1′	35° 20.1′	
125° 12.1′	125° 00.0′	124° 47.9′	124° 35.6′	124° 23.5′	
35° 51.3′	35° 51.3′	35° 51.3′	35° 51.3′	35° 51.3′	
125° 12.3′	125° 00.0′	124° 47.8′	124° 35.1′	124° 22.8′	
36° 19.8′	36° 19.8′	36° 19.8′	36° 19.8′	36° 19.8′	
125° 12.4′	125° 00.0′	124° 47.5′	124° 35.1′	124° 23.0′	
36° 55.5′	36° 55.5′	36° 55.5′	36° 55.5′	36° 55.5′	
125° 12.5′	125° 00.0′	124° 47.5′	124° 34.8′	124° 22.3′	

St. No. / Line	12	13	14	15	16	17
106	37° 53.7′ 131° 34.7′	37° 53.7′ 131° 53.0′	37° 53.7′ 132° 12.2′	37° 53.7′ 132° 30.9′	37° 53.7′ 132° 49.6′	
105	37° 33.2′ 131° 33.8′	37° 33.2′ 131° 52.2′	37° 33.2′ 132° 11.2′	37° 33.2′ 132° 29.8′	37° 33.2′ 132° 48.4′	
104	37° 03.4′ 131° 33.8′	37° 03.4′ 131° 52.6′	37° 03.4′ 132° 11.6′	37° 03.4′ 132° 29.5′	37° 03.4′ 132° 47.6′	
103						
102						
209						
208						
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205						
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203						
314						
313						
312						
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308						
307						

동 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA: EASTERN WATERS

1 9 8 1

106선 해양관측 성적

Oceanographic Data. Line 106

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

3 월 (March)

KOREA ,CHUN MA SAN , STATION 106-02 , 37-53.7. N, 128-52.5. E, MAR. 5.1981, 07.50 KST, DEPTH 54 , COLOR 4, TRANS. 9.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1017. , AIR TEMP. DRY 4.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	2.58	******	*****							0	2.58	******	*****	*****	***	***	******
10	2.77	******	*****							10	2.77	******	*****	*****	***	***	******
20	2.09	******	*****							20	2.09	******	*****	*****	***	***	******
30	2.03	******	*****							30	2.03	******	*****	*****	***	***	******
50	1.96	******	*****							50	1.96	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-03 , 37-53.7. N, 128-57.2. E, MAR. 5.1981, 08.40 KST, DEPTH 290 , COLOR 4, TRANS. 11.0,

WAVE 1, SWELL 1, WIND NE 1, BARO 1017. , AIR TEMP. DRY 4.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	2.93	******	*****							0	2.93	******	*****	*****	***	***	******
10	3.03	******	*****							10	3.03	******	*****	*****	***	***	******
20	2.44	******	*****							20	2.44	******	*****	*****	***	***	******
30	2.40	******	*****							30	2.40	******	*****	*****	***	***	******
50	2.03	******	*****							50	2.03	******	*****	*****	***	***	******
75	2.02	******	*****							75	2.02	******	*****	*****	***	***	******
100	1.99	******	*****							100	1.99	******	*****	*****	***	***	******
125	1.93	******	*****							125	1.93	******	*****	*****	***	***	******
150	1.92	******	*****							150	1.92	******	*****	*****	***	***	******
200	1.88	******	*****							200	1.88	******	*****	*****	***	***	******
250	1.81	******	*****							250	1.81	******	*****	*****	***	***	******
280	1.72	******	*****														

※ 106～104 선의 2(3), 6, 8, 10월 염분자료는 측정기 오차로 삭제

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-04 , 37-53.7. N, 129-03.8. E, MAR. 5.1981, 10.10 KST, DEPTH 710 , COLOR 4, TRANS. 13.5,																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1017. , AIR TEMP. DRY 6.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	4.64	******	*****							0	4.64	******	*****	*****	***	***	******
10	4.73	******	*****							10	4.73	******	*****	*****	***	***	******
20	4.17	******	*****							20	4.17	******	*****	*****	***	***	******
30	4.08	******	*****							30	4.08	******	*****	*****	***	***	******
50	3.60	******	*****							50	3.60	******	*****	*****	***	***	******
75	3.33	******	*****							75	3.33	******	*****	*****	***	***	******
100	2.37	******	*****							100	2.37	******	*****	*****	***	***	******
125	2.25	******	*****							125	2.25	******	*****	*****	***	***	******
150	2.04	******	*****							150	2.04	******	*****	*****	***	***	******
200	2.05	******	*****							200	2.05	******	*****	*****	***	***	******
250	1.88	******	*****							250	1.88	******	*****	*****	***	***	******
300	1.93	******	*****							300	1.93	******	*****	*****	***	***	******
400	1.76	******	*****							400	1.76	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-05 , 37-53.7. N, 129-22.1. E, MAR. 5.1981, 13.00 KST, DEPTH 1120 , COLOR 4, TRANS. 14.0,																	
WAVE 3, SWELL 1, WIND NW 3, BARO 1016. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	4.89	******	*****							0	4.89	******	*****	*****	***	***	******
10	4.92	******	*****							10	4.92	******	*****	*****	***	***	******
20	4.17	******	*****							20	4.17	******	*****	*****	***	***	******
30	3.41	******	*****							30	3.41	******	*****	*****	***	***	******
50	3.45	******	*****							50	3.45	******	*****	*****	***	***	******
75	3.27	******	*****							75	3.27	******	*****	*****	***	***	******
100	3.10	******	*****							100	3.10	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	2.13	******	*****							125	2.13	******	*****	*****	***	***	******
150	2.09	******	*****							150	2.09	******	*****	*****	***	***	******
200	1.95	******	*****							200	1.95	******	*****	*****	***	***	******
250	1.87	******	*****							250	1.87	******	*****	*****	***	***	******
300	1.81	******	*****							300	1.81	******	*****	*****	***	***	******
400	.83	******	*****							400	.83	******	*****	*****	***	***	******
500	.48	******	*****							500	.48	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-06 , 37-53.0. N, 129-41.3. E, MAR. 5.1981, 16.00 KST, DEPTH 1620 , COLOR 4, TRANS. 15.5,

WAVE 4, SWELL 2, WIND NW 4, BARO 1015.5, AIR TEMP. DRY 7.9, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	6.47	******	*****							0	6.47	******	*****	*****	***	***	******
10	6.51	******	*****							10	6.51	******	*****	*****	***	***	******
20	6.56	******	*****							20	6.56	******	*****	*****	***	***	******
30	6.47	******	*****							30	6.47	******	*****	*****	***	***	******
50	5.65	******	*****							50	5.65	******	*****	*****	***	***	******
75	5.56	******	*****							75	5.56	******	*****	*****	***	***	******
100	4.99	******	*****							100	4.99	******	*****	*****	***	***	******
125	4.44	******	*****							125	4.44	******	*****	*****	***	***	******
150	3.06	******	*****							150	3.06	******	*****	*****	***	***	******
200	2.75	******	*****							200	2.75	******	*****	*****	***	***	******
250	2.15	******	*****							250	2.15	******	*****	*****	***	***	******
300	2.04	******	*****							300	2.04	******	*****	*****	***	***	******
400	.89	******	*****							400	.89	******	*****	*****	***	***	******
500	.59	******	*****							500	.59	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-07 , 37-53.7, N, 130-00.0, E, MAR. 5.1981, 18.50 KST, DEPTH 1060 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND NW 4, BARO 1013.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,																	
0	7.22	******	*****							0	7.22	******	*****	*****	***	***	******
10	7.54	******	*****							10	7.54	******	*****	*****	***	***	******
20	7.23	******	*****							20	7.23	******	*****	*****	***	***	******
30	7.12	******	*****							30	7.12	******	*****	*****	***	***	******
50	6.52	******	*****							50	6.52	******	*****	*****	***	***	******
75	4.46	******	*****							75	4.46	******	*****	*****	***	***	******
100	4.36	******	*****							100	4.36	******	*****	*****	***	***	******
125	3.86	******	*****							125	3.86	******	*****	*****	***	***	******
150	2.47	******	*****							150	2.47	******	*****	*****	***	***	******
200	2.09	******	*****							200	2.09	******	*****	*****	***	***	******
250	2.04	******	*****							250	2.04	******	*****	*****	***	***	******
300	1.29	******	*****							300	1.29	******	*****	*****	***	***	******
400	.42	******	*****							400	.42	******	*****	*****	***	***	******
500	.39	******	*****							500	.39	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-08 , 37-53.7, N, 130-18.9, E, MAR. 5.1981, 21.50 KST, DEPTH 1800 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 1, WIND NW 3, BARO 1013. , AIR TEMP. DRY 6.6, WET . , CLOUD. TYPE , AMT 4, WEATHER BC,																	
0	6.32	******	*****							0	6.32	******	*****	*****	***	***	******
10	6.35	******	*****							10	6.35	******	*****	*****	***	***	******
20	5.97	******	*****							20	5.97	******	*****	*****	***	***	******
30	5.96	******	*****							30	5.96	******	*****	*****	***	***	******
50	4.84	******	*****							50	4.84	******	*****	*****	***	***	******
75	4.24	******	*****							75	4.24	******	*****	*****	***	***	******
100	3.30	******	*****							100	3.30	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	2.92	******	*****							125	2.92	******	*****	*****	***	***	******
150	2.29	******	*****							150	2.29	******	*****	*****	***	***	******
200	2.12	******	*****							200	2.12	******	*****	*****	***	***	******
250	1.73	******	*****							250	1.73	******	*****	*****	***	***	******
300	1.42	******	*****							300	1.42	******	*****	*****	***	***	******
400	.99	******	*****							400	.99	******	*****	*****	***	***	******
500	.82	******	*****							500	.82	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-09 , 37-53.7. N, 130-37.7. E, MAR. 6,1981, 00.40 KST, DEPTH 2250 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NW 4, BARO 1013. , AIR TEMP. DRY 6.5. WET . , CLOUD. TYPE , AMT 5, WEATHER BC,

0	6.37	******	*****							0	6.37	******	*****	*****	***	***	******
10	6.98	******	*****							10	6.98	******	*****	*****	***	***	******
20	6.81	******	*****							20	6.81	******	*****	*****	***	***	******
30	6.09	******	*****							30	6.09	******	*****	*****	***	***	******
50	5.92	******	*****							50	5.92	******	*****	*****	***	***	******
75	5.43	******	*****							75	5.43	******	*****	*****	***	***	******
100	4.20	******	*****							100	4.20	******	*****	*****	***	***	******
125	2.60	******	*****							125	2.60	******	*****	*****	***	***	******
150	2.35	******	*****							150	2.35	******	*****	*****	***	***	******
200	1.94	******	*****							200	1.94	******	*****	*****	***	***	******
250	1.17	******	*****							250	1.17	******	*****	*****	***	***	******
300	.45	******	*****							300	.45	******	*****	*****	***	***	******
400	.42	******	*****							400	.42	******	*****	*****	***	***	******
500	.33	******	*****							500	.33	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-10 , 37-53.7. N, 130-56.5. E, MAR. 6,1981, 03.40 KST, DEPTH 1980 , COLOR , TRANS. . ,																	
WAVE 5, SWELL 2, WIND NW 5, BARO 1013. , AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE , AMT 5, WEATHER BC,																	
0	6.35	******	*****							0	6.35	******	*****	*****	***	***	******
10	6.84	******	*****							10	6.84	******	*****	*****	***	***	******
20	6.81	******	*****							20	6.81	******	*****	*****	***	***	******
30	6.24	******	*****							30	6.24	******	*****	*****	***	***	******
50	5.55	******	*****							50	5.55	******	*****	*****	***	***	******
75	5.21	******	*****							75	5.21	******	*****	*****	***	***	******
100	4.70	******	*****							100	4.70	******	*****	*****	***	***	******
125	3.78	******	*****							125	3.78	******	*****	*****	***	***	******
150	3.20	******	*****							150	3.20	******	*****	*****	***	***	******
200	2.26	******	*****							200	2.26	******	*****	*****	***	***	******
250	1.86	******	*****							250	1.86	******	*****	*****	***	***	******
300	.96	******	*****							300	.96	******	*****	*****	***	***	******
400	.41	******	*****							400	.41	******	*****	*****	***	***	******
500	.47	******	*****							500	.47	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-11 , 37-53.7. N, 131-15.1. E, MAR. 6.1981, 06.30 KST, DEPTH 2070 , COLOR , TRANS. . ,																	
WAVE 5, SWELL 2, WIND NW 5, BARO 1012.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE , AMT 5, WEATHER BC,																	
0	6.25	******	*****							0	6.25	******	*****	*****	***	***	******
10	6.89	******	*****							10	6.89	******	*****	*****	***	***	******
20	6.70	******	*****							20	6.70	******	*****	*****	***	***	******
30	6.33	******	*****							30	6.33	******	*****	*****	***	***	******
50	5.39	******	*****							50	5.39	******	*****	*****	***	***	******
75	4.82	******	*****							75	4.82	******	*****	*****	***	***	******
100	4.72	******	*****							100	4.72	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	3.72	******	*****							125	3.72	******	*****	*****	***	***	******
150	2.98	******	*****							150	2.98	******	*****	*****	***	***	******
200	2.12	******	*****							200	2.12	******	*****	*****	***	***	******
250	1.93	******	*****							250	1.93	******	*****	*****	***	***	******
300	1.21	******	*****							300	1.21	******	*****	*****	***	***	******

4 월 (April)

KOREA ,CHUN MA SAN , STATION 106-02 , 37-53.7. N, 128-52.5. E, APR. 7.1981, 10.20 KST, DEPTH 58 , COLOR 4, TRANS. 13.%,

WAVE 1, SWELL 1, WIND NE 1, BARO 1019.5, AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	5.49	34.040	*****	0	5.49	34.040	*****	26.88	118	118	.0000
10	5.40	34.020	*****	10	5.40	34.020	*****	26.87	118	118	.0118
20	4.85	34.020	*****	20	4.85	34.020	*****	26.94	112	112	.0234
30	2.18	33.950	*****	30	2.18	33.950	*****	27.14	93	93	.0337
50	.42	33.910	*****	50	.42	33.910	*****	27.23	85	85	.0516

KOREA ,CHUN MA SAN , STATION 106-03 , 37-53.7. N, 128-57.2. E, APR. 7.1981, 11.20 KST, DEPTH 320 , COLOR 4, TRANS. 18.%,

WAVE 1, SWELL 1, WIND NW 1, BARO 1019.5, AIR TEMP. DRY 11.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	5.71	34.150	*****	0	5.71	34.150	*****	26.94	112	112	.0000
10	5.30	34.130	*****	10	5.30	34.130	*****	26.97	109	109	.0111
20	5.13	34.070	*****	20	5.13	34.070	*****	26.95	112	112	.0222
30	4.61	34.040	*****	30	4.61	34.040	*****	26.98	108	108	.0332
50	4.46	34.020	*****	50	4.46	34.020	*****	26.98	108	108	.0550
75	4.23	34.040	*****	75	4.23	34.040	*****	27.02	104	105	.0818
100	2.25	33.960	*****	100	2.25	33.960	*****	27.14	93	93	.1067
125	1.70	33.960	*****	125	1.70	33.960	*****	27.18	89	89	.1296

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
150	1.68	33.890	*****							150	1.68	33.890	*****	27.13	94	94	.1526
200	1.59	33.860	*****							200	1.59	33.860	*****	27.11	96	96	.2005
250	.31	33.840	*****							250	.31	33.840	*****	27.18	90	89	.2471
300	.31	33.870	*****							300	.31	33.870	*****	27.20	88	87	.2914
KOREA , CHUN MA SAN , STATION 106-04 , 37-53.7. N, 129-03.8. E, APR. 7,1981, 12.50 KST, DEPTH 710 , COLOR 4, TRANS. 18.>,																	
WAVE 1, SWELL 1, WIND N 1, BARO 1020.9, AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE % AMT , WEATHER B ,																	
0	6.21	34.180	*****							0	6.21	34.180	*****	26.90	116	116	.0000
10	5.84	33.950	*****							10	5.84	33.950	*****	26.77	129	129	.0123
20	5.55	33.950	*****							20	5.55	33.950	*****	26.80	125	125	.0250
30	4.88	34.070	*****							30	4.88	34.070	*****	26.97	109	109	.0368
50	3.66	34.090	*****							50	3.66	34.090	*****	27.12	95	95	.0573
75	3.26	34.020	*****							75	3.26	34.020	*****	27.10	97	97	.0815
100	2.48	34.040	*****							100	2.48	34.040	*****	27.19	89	89	.1048
125	2.45	34.040	*****							125	2.45	34.040	*****	27.19	89	89	.1272
150	1.55	33.950	*****							150	1.55	33.950	*****	27.19	89	89	.1495
200	1.50	33.950	*****							200	1.50	33.950	*****	27.19	88	89	.1942
250	1.38	33.910	*****							250	1.38	33.910	*****	27.17	91	91	.2393
300	1.17	33.930	*****							300	1.17	33.930	*****	27.20	88	88	.2843
400	1.07	33.930	*****							400	1.07	33.930	*****	27.20	87	87	.3725
500	.45	33.890	*****							500	.45	33.890	*****	27.21	87	86	.4598
KOREA , CHUN MA SAN , STATION 106-05 , 37-53.7. N, 129-22.1. E, APR. 7,1981, 15.50 KST, DEPTH 1120 , COLOR 4, TRANS. 19.0,																	
WAVE 1, SWELL 1, WIND N 1, BARO 1020. , AIR TEMP. DRY 11.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	7.91	34.180	*****							0	7.91	34.180	*****	26.66	138	138	.0000
10	6.95	34.180	*****							10	6.95	34.180	*****	26.80	125	125	.0132

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	6.49	34.150	*****							20	6.49	34.150	*****	26.84	122	122	.0256
30	5.34	34.090	*****							30	5.34	34.090	*****	26.96	113	113	.0374
50	4.87	34.110	*****							50	4.87	34.110	*****	27.01	106	106	.0593
75	3.92	34.040	*****							75	3.92	34.040	*****	27.05	101	102	.0854
100	3.14	33.960	*****							100	3.14	33.960	*****	27.07	100	101	.1109
125	3.07	33.960	*****							125	3.07	33.960	*****	27.07	100	100	.1361
150	1.90	33.950	*****							150	1.90	33.950	*****	27.16	91	91	.1602
200	1.42	33.950	*****							200	1.42	33.950	*****	27.20	88	88	.2053
250	.83	33.950	*****							250	.83	33.950	*****	27.23	84	84	.2486
300	.79	33.910	*****							300	.79	33.910	*****	27.20	87	87	.2916
400	.69	33.910	*****							400	.69	33.910	*****	27.21	87	86	.3787
500	.38	33.930	*****							500	.38	33.930	*****	27.24	83	83	.4637

KOREA , CHUN MA SAN , STATION 106-06 , 37-53.0. N, 129-41.3. E, APR. 7,1981, 19.00 KST, DEPTH 1620 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1020. , AIR TEMP. DRY 13.0. WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	8.21	34.180	*****							0	8.21	34.180	*****	26.62	143	142	.0000
10	6.92	34.160	*****							10	6.92	34.160	*****	26.79	126	126	.0135
20	5.88	34.130	*****							20	5.88	34.130	*****	26.90	116	116	.0256
30	3.41	34.150	*****							30	3.41	34.150	*****	27.19	88	88	.0359
50	2.69	34.110	*****							50	2.69	34.110	*****	27.22	85	85	.0533
75	1.91	34.110	*****							75	1.91	34.110	*****	27.29	79	79	.0740
100	1.64	34.070	*****							100	1.64	34.070	*****	27.28	80	80	.0940
125	1.65	33.950	*****							125	1.65	33.950	*****	27.18	89	90	.1154
150	1.62	33.950	*****							150	1.62	33.950	*****	27.18	89	89	.1379
200	1.52	33.930	*****							200	1.52	33.930	*****	27.17	90	90	.1830

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	1.31	33.910	*****							250	1.31	33.910	*****	27.17	90	90	.2285
300	.93	33.890	*****							300	.93	33.890	*****	27.18	89	89	.2737
400	.52	33.860	*****							400	.52	33.860	*****	27.18	89	89	.3633
500	.31	33.870	*****							500	.31	33.870	*****	27.20	88	87	.4517
KOREA	,CHUN MA SAN	, STATION 106-07 , 37-53.7. N, 130-00.0. E, APR. 7.1981, 22.00 KST, DEPTH 1060 , COLOR , TRANS. , ,															
WAVE	1, SWELL	1, WIND N	2, BARO 1021.5, AIR TEMP. DRY	8.5, WET	, , CLOUD. TYPE	; AMT	, WEATHER B ,										
0	9.14	34.200	*****							0	9.14	34.200	*****	26.49	155	155	.0000
10	8.85	34.180	*****							10	8.85	34.180	*****	26.52	152	152	.0154
20	8.21	34.150	*****							20	8.21	34.150	*****	26.60	145	145	.0303
30	7.26	34.090	*****							30	7.26	34.090	*****	26.69	136	136	.0444
50	6.70	34.040	*****							50	6.70	34.040	*****	26.73	133	133	.0716
75	4.88	34.040	*****							75	4.88	34.040	*****	26.95	111	112	.1021
100	3.71	34.020	*****							100	3.71	34.020	*****	27.06	101	101	.1289
125	3.34	34.020	*****							125	3.34	34.020	*****	27.09	98	98	.1539
150	2.47	34.000	*****							150	2.47	34.000	*****	27.16	92	92	.1778
200	2.26	33.960	*****							200	2.26	33.960	*****	27.14	93	94	.2246
250	1.67	34.000	*****							250	1.67	34.000	*****	27.22	86	86	.2698
300	1.39	34.020	*****							300	1.39	34.020	*****	27.25	82	83	.3123
400	.62	33.870	*****							400	.62	33.870	*****	27.18	89	89	.3986
500	.21	33.860	*****							500	.21	33.860	*****	27.20	88	87	.4870
KOREA	,CHUN MA SAN	, STATION 106-08 , 37-53.7. N, 130-18.9. E, APR. 8.1981, 01.10 KST, DEPTH 1800 , COLOR , TRANS. , ,															
WAVE	1, SWELL	1, WIND SE	2, BARO 1022. , AIR TEMP. DRY	6.5, WET	, , CLOUD. TYPE	, AMT	, WEATHER B ,										
0	8.92	34.200	*****							0	8.92	34.200	*****	26.53	152	151	.0000
10	8.75	34.200	*****							10	8.75	34.200	*****	26.55	149	149	.0151

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	8.11	34.180	*****							20	8.11	34.180	*****	26.63	141	141	.0296
30	7.99	34.180	*****							30	7.99	34.180	*****	26.65	139	140	.0437
50	7.76	34.130	*****							50	7.76	34.130	*****	26.65	140	140	.0718
75	7.65	34.090	*****							75	7.65	34.090	*****	26.63	141	142	.1073
100	7.72	34.070	*****							100	7.72	34.070	*****	26.61	144	145	.1434
125	7.37	34.040	*****							125	7.37	34.040	*****	26.63	141	143	.1795
150	7.28	34.040	*****							150	7.28	34.040	*****	26.65	140	142	.2153
200	4.90	34.000	*****							200	4.90	34.000	*****	26.92	114	116	.2801
250	3.24	34.000	*****							250	3.24	34.000	*****	27.09	98	100	.3343
300	2.93	34.200	*****							300	2.93	34.200	*****	27.28	80	82	.3799
400	.70	33.930	*****							400	.70	33.930	*****	27.23	85	85	.4638
500	.63	33.860	*****							500	.63	33.860	*****	27.17	90	90	.5516

KOREA , CHUN MA SAN , STATION 106-09 , 37-53.7. N, 130-37.7. E, APR. 8.1981, 04.10 KST, DEPTH <250 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1021.5, AIR TEMP. DRY 6.0. WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	9.21	34.220	*****							0	9.21	34.220	*****	26.49	154	154	.0000
10	8.87	34.180	*****							10	8.87	34.180	*****	26.52	152	152	.0154
20	8.35	34.130	*****							20	8.35	34.130	*****	26.56	148	148	.0304
30	8.10	34.130	*****							30	8.10	34.130	*****	26.60	145	145	.0452
50	7.91	34.090	*****							50	7.91	34.090	*****	26.59	145	146	.0743
75	7.48	34.050	*****							75	7.48	34.050	*****	26.62	142	143	.1105
100	7.47	34.020	*****							100	7.47	34.020	*****	26.60	144	145	.1467
125	7.39	33.960	*****							125	7.39	33.960	*****	26.57	148	149	.1836
150	7.24	34.000	*****							150	7.24	34.000	*****	26.62	143	145	.2205
200	6.43	33.950	*****							200	6.43	33.950	*****	26.69	136	138	.2914

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	3.23	33.950	*****							250	3.23	33.950	*****	27.05	102	103	.3521
300	2.28	33.930	*****							300	2.28	33.930	*****	27.12	96	97	.4022
400	1.18	33.910	*****							400	1.18	33.910	*****	27.18	89	90	.4959
500	.76	33.860	*****							500	.76	33.860	*****	27.17	91	91	.5865

KOREA ,CHUN MA SAN , STATION 106-10 , 37-53.7. N, 130-56.5. E, APR. 8.1981, 07.10 KST, DEPTH 1980 , COLOR 4, TRANS. 22.5,

WAVE 2, SWELL 1, WIND SE 1, BARO 1021.5, AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	9.32	34.250	*****							0	9.32	34.250	*****	26.50	154	154	.0000
10	9.33	34.250	*****							10	9.33	34.250	*****	26.50	154	154	.0154
20	9.23	34.150	*****							20	9.23	34.150	*****	26.44	160	160	.0312
30	8.66	34.180	*****							30	8.66	34.180	*****	26.55	149	149	.0467
50	8.47	34.150	*****							50	8.47	34.150	*****	26.56	149	149	.0767
75	7.64	34.040	*****							75	7.64	34.040	*****	26.59	145	146	.1137
100	7.31	34.090	*****							100	7.31	34.090	*****	26.68	137	138	.1493
125	6.31	34.110	*****							125	6.31	34.110	*****	26.83	122	124	.1821
150	5.41	34.110	*****							150	5.41	34.110	*****	26.94	112	113	.2119
200	4.44	34.090	*****							200	4.44	34.090	*****	27.04	103	104	.2666
250	3.78	34.090	*****							250	3.78	34.090	*****	27.11	96	98	.3175
300	3.08	34.000	*****							300	3.08	34.000	*****	27.10	97	98	.3668
400	1.28	33.980	*****							400	1.28	33.980	*****	27.23	85	85	.4591
500	.61	33.910	*****							500	.61	33.910	*****	27.22	86	86	.5450

KOREA ,CHUN MA SAN , STATION 106-11 , 37-53.7. N, 131-15.1. E, APR. 8.1981, 10.10 KST, DEPTH 2070 , COLOR 4, TRANS. 23.5,

WAVE 2, SWELL 1, WIND SE 2, BARO 1022. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE ST, AMT 4, WEATHER BC,

0	9.51	34.250	*****							0	9.51	34.250	*****	26.47	157	157	.0000
10	8.63	34.240	*****							10	8.63	34.240	*****	26.60	144	144	.0151

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	8.55	34.250	*****							20	8.55	34.250	*****	26.62	142	142	.0295
30	7.75	34.220	*****							30	7.75	34.220	*****	26.72	133	133	.0433
50	7.89	34.200	*****							50	7.89	34.200	*****	26.68	137	137	.0704
75	7.67	34.180	*****							75	7.67	34.180	*****	26.70	135	136	.1047
100	7.07	34.150	*****							100	7.07	34.150	*****	26.76	129	130	.1381
125	6.68	34.050	*****							125	6.68	34.050	*****	26.74	132	133	.1711
150	5.77	34.050	*****							150	5.77	34.050	*****	26.85	120	122	.2031
200	4.48	34.050	*****							200	4.48	34.050	*****	27.00	106	108	.2609
250	3.59	34.000	*****							250	3.59	34.000	*****	27.05	101	103	.3138
300	1.36	34.020	*****							300	1.36	34.020	*****	27.26	82	83	.3604
400	.67	34.000	*****							400	.67	34.000	*****	27.28	80	79	.4419
500	.64	33.950	*****							500	.64	33.950	*****	27.25	83	83	.5235

6 월 (June)

KOREA ,CHUN MA SAN , STATION 106-02 , 37-53.7. N, 128-52.5. E, JUN. 8.1981, 09.40 KST, DEPTH 58 , COLOR 4, TRANS. 18.0,
WAVE , SWELL , WIND SE 1, BARO 1012.5, AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE CI, AMT 10, WEATHER F ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.54	******	*****							0	11.54	******	*****	*****	***	***	******
10	11.48	******	*****							10	11.48	******	*****	*****	***	***	******
20	11.19	******	*****							20	11.19	******	*****	*****	***	***	******
30	9.28	******	*****							30	9.28	******	*****	*****	***	***	******
50	4.82	******	*****							50	4.82	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-03 , 37-53.7. N, 128-57.2. E, JUN. 8.1981, 10.40 KST, DEPTH 320 , COLOR 4, TRANS. 17.0,
WAVE 1, SWELL 1, WIND E 1, BARO 1012.5, AIR TEMP. DRY 14.9, WET . , CLOUD. TYPE CI, AMT 10, WEATHER F ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.67	******	*****							0	12.67	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	11.50	******	*****							10	11.50	******	*****	*****	***	***	******
20	9.02	******	*****							20	9.02	******	*****	*****	***	***	******
30	7.21	******	*****							30	7.21	******	*****	*****	***	***	******
50	4.83	******	*****							50	4.83	******	*****	*****	***	***	******
75	4.26	******	*****							75	4.26	******	*****	*****	***	***	******
100	3.20	******	*****							100	3.20	******	*****	*****	***	***	******
125	2.08	******	*****							125	2.08	******	*****	*****	***	***	******
150	1.89	******	*****							150	1.89	******	*****	*****	***	***	******
200	.99	******	*****							200	.99	******	*****	*****	***	***	******
250	.90	******	*****							250	.90	******	*****	*****	***	***	******
300	.80	******	*****							300	.80	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-04 , 37-53.7. N, 129-03.8. E, JUN. 8.1981, 12.00 KST, DEPTH 720 , COLOR 3, TRANS. 17.6,

WAVE 1, SWELL 1, WIND E 1, BARO 1012. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE CI, AMT 10, WEATHER F ,

0	13.86	******	*****							0	13.86	******	*****	*****	***	***	******
10	12.69	******	*****							10	12.69	******	*****	*****	***	***	******
20	7.70	******	*****							20	7.70	******	*****	*****	***	***	******
30	5.82	******	*****							30	5.82	******	*****	*****	***	***	******
50	2.30	******	*****							50	2.30	******	*****	*****	***	***	******
75	2.06	******	*****							75	2.06	******	*****	*****	***	***	******
100	1.42	******	*****							100	1.42	******	*****	*****	***	***	******
125	1.10	******	*****							125	1.10	******	*****	*****	***	***	******
150	.95	******	*****							150	.95	******	*****	*****	***	***	******
200	1.00	******	*****							200	1.00	******	*****	*****	***	***	******
250	.93	******	*****							250	.93	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
300	.90	******	*****							300	.90	******	*****	*****	***	***	******
400	.88	******	*****							400	.88	******	*****	*****	***	***	******
500	.76	******	*****							500	.76	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-05 , 37-53.7. N, 129-22.1. E, JUN. 8.1981, 15.00 KST, DEPTH 1120 , COLOR 3, TRANS. 17.0,																	
WAVE 1, SWELL 1, WIND E 1, BARO 1012. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE CI, AMT 9, WEATHER F ,																	
0	13.13	******	*****							0	13.13	******	*****	*****	***	***	******
10	9.25	******	*****							10	9.25	******	*****	*****	***	***	******
20	6.42	******	*****							20	6.42	******	*****	*****	***	***	******
30	5.09	******	*****							30	5.09	******	*****	*****	***	***	******
50	3.18	******	*****							50	3.18	******	*****	*****	***	***	******
75	2.72	******	*****							75	2.72	******	*****	*****	***	***	******
100	1.64	******	*****							100	1.64	******	*****	*****	***	***	******
125	1.23	******	*****							125	1.23	******	*****	*****	***	***	******
150	1.14	******	*****							150	1.14	******	*****	*****	***	***	******
200	1.04	******	*****							200	1.04	******	*****	*****	***	***	******
250	.84	******	*****							250	.84	******	*****	*****	***	***	******
300	.62	******	*****							300	.62	******	*****	*****	***	***	******
400	.52	******	*****							400	.52	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-06 , 37-53.0. N, 129-41.3. E, JUN. 8.1981, 18.00 KST, DEPTH 1620 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND E 1, BARO 1012. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	13.56	******	*****							0	13.56	******	*****	*****	***	***	******
10	11.63	******	*****							10	11.63	******	*****	*****	***	***	******
20	9.75	******	*****							20	9.75	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	6.82	******	*****							30	6.82	******	*****	*****	***	***	******
50	3.42	******	*****							50	3.42	******	*****	*****	***	***	******
75	1.84	******	*****							75	1.84	******	*****	*****	***	***	******
100	1.80	******	*****							100	1.80	******	*****	*****	***	***	******
125	1.80	******	*****							125	1.80	******	*****	*****	***	***	******
150	1.67	******	*****							150	1.67	******	*****	*****	***	***	******
200	1.21	******	*****							200	1.21	******	*****	*****	***	***	******
250	.77	******	*****							250	.77	******	*****	*****	***	***	******
300	.62	******	*****							300	.62	******	*****	*****	***	***	******
400	.45	******	*****							400	.45	******	*****	*****	***	***	******
500	.42	******	*****							500	.42	******	*****	*****	***	***	******

KOREA , CHUN MA SAN , STATION 106-07 , 37-53.7. N, 130-00.0. E, JUN. 8.1981, 20.50 KST, DEPTH 1060 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1012. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	14.10	******	*****							0	14.10	******	*****	*****	***	***	******
10	12.82	******	*****							10	12.82	******	*****	*****	***	***	******
20	12.10	******	*****							20	12.10	******	*****	*****	***	***	******
30	7.45	******	*****							30	7.45	******	*****	*****	***	***	******
50	4.95	******	*****							50	4.95	******	*****	*****	***	***	******
75	2.94	******	*****							75	2.94	******	*****	*****	***	***	******
100	2.51	******	*****							100	2.51	******	*****	*****	***	***	******
125	2.46	******	*****							125	2.46	******	*****	*****	***	***	******
150	2.20	******	*****							150	2.20	******	*****	*****	***	***	******
200	1.30	******	*****							200	1.30	******	*****	*****	***	***	******
250	.75	******	*****							250	.75	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
300	.60	******	*****							300	.60	******	*****	*****	***	***	******
400	.51	******	*****							400	.51	******	*****	*****	***	***	******
500	.50	******	*****							500	.50	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-08 , 37-53.7. N, 130-18.9. E, JUN. 8.1981, 23.05 KST, DEPTH 1800 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SE 2, BARO 1012. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	15.58	******	*****							0	15.58	******	*****	*****	***	***	******
10	14.00	******	*****							10	14.00	******	*****	*****	***	***	******
20	13.60	******	*****							20	13.60	******	*****	*****	***	***	******
30	10.08	******	*****							30	10.08	******	*****	*****	***	***	******
50	6.25	******	*****							50	6.25	******	*****	*****	***	***	******
75	4.20	******	*****							75	4.20	******	*****	*****	***	***	******
100	3.72	******	*****							100	3.72	******	*****	*****	***	***	******
125	3.27	******	*****							125	3.27	******	*****	*****	***	***	******
150	2.50	******	*****							150	2.50	******	*****	*****	***	***	******
200	1.95	******	*****							200	1.95	******	*****	*****	***	***	******
250	1.20	******	*****							250	1.20	******	*****	*****	***	***	******
300	.90	******	*****							300	.90	******	*****	*****	***	***	******
400	.55	******	*****							400	.55	******	*****	*****	***	***	******
500	.43	******	*****							500	.43	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-09 , 37-53.7. N, 130-37.7. E, JUN. 9.1981, 02.40 KST, DEPTH 2250 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1011.5, AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,																	
0	15.15	******	*****							0	15.15	******	*****	*****	***	***	******
10	13.92	******	*****							10	13.92	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	12.82	******	*****							20	12.82	******	*****	*****	***	***	******
30	10.62	******	*****							30	10.62	******	*****	*****	***	***	******
50	8.41	******	*****							50	8.41	******	*****	*****	***	***	******
75	7.99	******	*****							75	7.99	******	*****	*****	***	***	******
100	7.82	******	*****							100	7.82	******	*****	*****	***	***	******
125	7.80	******	*****							125	7.80	******	*****	*****	***	***	******
150	7.73	******	*****							150	7.73	******	*****	*****	***	***	******
200	7.14	******	*****							200	7.14	******	*****	*****	***	***	******
250	4.32	******	*****							250	4.32	******	*****	*****	***	***	******
300	2.41	******	*****							300	2.41	******	*****	*****	***	***	******
400	.69	******	*****							400	.69	******	*****	*****	***	***	******
500	.48	******	*****							500	.48	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-10 , 37-53.7. N, 130-56.5. E, JUN. 9.1981, 05.40 KST, DEPTH 1980 , COLOR , TRANS. . ,

WAVE 1, SWELL . 1, WIND SE 1, BARO 1011.5, AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE ST, AMT 3, WEATHER F ,

0	14.19	******	*****							0	14.19	******	*****	*****	***	***	******
10	13.91	******	*****							10	13.91	******	*****	*****	***	***	******
20	13.42	******	*****							20	13.42	******	*****	*****	***	***	******
30	11.18	******	*****							30	11.18	******	*****	*****	***	***	******
50	9.32	******	*****							50	9.32	******	*****	*****	***	***	******
75	8.62	******	*****							75	8.62	******	*****	*****	***	***	******
100	7.99	******	*****							100	7.99	******	*****	*****	***	***	******
125	7.90	******	*****							125	7.90	******	*****	*****	***	***	******
150	7.82	******	*****							150	7.82	******	*****	*****	***	***	******
200	7.69	******	*****							200	7.69	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	6.86	******	*****							250	6.86	******	*****	*****	***	***	******
300	5.58	******	*****							300	5.58	******	*****	*****	***	***	******
400	1.98	******	*****							400	1.98	******	*****	*****	***	***	******
500	1.90	******	*****							500	1.90	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-11 , 37-53.7. N, 131-15.1. E, JUN. 9.1981, 08.30 KST, DEPTH 2070 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 1011.5, AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER F ,

0	14.42	******	*****							0	14.42	******	*****	*****	***	***	******
10	12.59	******	*****							10	12.59	******	*****	*****	***	***	******
20	11.72	******	*****							20	11.72	******	*****	*****	***	***	******
30	9.33	******	*****							30	9.33	******	*****	*****	***	***	******
50	8.07	******	*****							50	8.07	******	*****	*****	***	***	******
75	7.94	******	*****							75	7.94	******	*****	*****	***	***	******
100	7.91	******	*****							100	7.91	******	*****	*****	***	***	******
125	7.89	******	*****							125	7.89	******	*****	*****	***	***	******
150	7.78	******	*****							150	7.78	******	*****	*****	***	***	******
200	7.58	******	*****							200	7.58	******	*****	*****	***	***	******
250	7.39	******	*****							250	7.39	******	*****	*****	***	***	******
300	6.09	******	*****							300	6.09	******	*****	*****	***	***	******
400	2.16	******	*****							400	2.16	******	*****	*****	***	***	******
500	1.95	******	*****							500	1.95	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,CHUN MA SAN , STATION 106-02 , 37-53.7. N, 128-52.5. E, AUG. 6.1981, 11.20 KST, DEPTH 58 , COLOR 3, TRANS. 14.7,

WAVE 1, SWELL 1, WIND N 1, BARO 996. , AIR TEMP. DRY 22.3, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	21.71	******	*****							0	21.71	******	*****	*****	***	***	******
10	15.61	******	*****							10	15.61	******	*****	*****	***	***	******
20	11.69	******	*****							20	11.69	******	*****	*****	***	***	******
30	7.65	******	*****							30	7.65	******	*****	*****	***	***	******
50	5.42	******	*****							50	5.42	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-03 , 37-53.7. N, 128-57.2. E, AUG. 6.1981, 12.30 KST, DEPTH 320 , COLOR 3, TRANS. 17.2,

WAVE 1, SWELL 1, WIND E 2, BARO 996.5, AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	21.70	******	*****							0	21.70	******	*****	*****	***	***	******
10	14.52	******	*****							10	14.52	******	*****	*****	***	***	******
20	11.73	******	*****							20	11.73	******	*****	*****	***	***	******
30	6.69	******	*****							30	6.69	******	*****	*****	***	***	******
50	5.38	******	*****							50	5.38	******	*****	*****	***	***	******
75	4.51	******	*****							75	4.51	******	*****	*****	***	***	******
100	2.46	******	*****							100	2.46	******	*****	*****	***	***	******
125	1.90	******	*****							125	1.90	******	*****	*****	***	***	******
150	1.82	******	*****							150	1.82	******	*****	*****	***	***	******
200	1.71	******	*****							200	1.71	******	*****	*****	***	***	******
250	1.21	******	*****							250	1.21	******	*****	*****	***	***	******
300	.96	******	*****							300	.96	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 106-04 , 37-53.7. N, 129-03.8. E, AUG.10.1981, 01.00 KST, DEPTH 710 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 997.5, AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE ST, AMT 4, WEATHER BC,

0	22.61	******	*****							0	22.61	******	*****	*****	***	***	******
10	21.07	******	*****							10	21.07	******	*****	*****	***	***	******
20	11.61	******	*****							20	11.61	******	*****	*****	***	***	******
30	7.92	******	*****							30	7.92	******	*****	*****	***	***	******
50	4.21	******	*****							50	4.21	******	*****	*****	***	***	******
75	3.01	******	*****							75	3.01	******	*****	*****	***	***	******
100	2.97	******	*****							100	2.97	******	*****	*****	***	***	******
125	2.12	******	*****							125	2.12	******	*****	*****	***	***	******
150	2.00	******	*****							150	2.00	******	*****	*****	***	***	******
200	1.74	******	*****							200	1.74	******	*****	*****	***	***	******
250	1.02	******	*****							250	1.02	******	*****	*****	***	***	******
300	.89	******	*****							300	.89	******	*****	*****	***	***	******
400	.71	******	*****							400	.71	******	*****	*****	***	***	******
500	.55	******	*****							500	.55	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-05 , 37-53.7. N, 129-22.1. E, AUG.10.1981, 07.50 KST, DEPTH 1120 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 996. , AIR TEMP. DRY 22.6, WET . , CLOUD. TYPE ST, AMT 4, WEATHER BC,

0	22.36	******	*****							0	22.36	******	*****	*****	***	***	******
10	21.46	******	*****							10	21.46	******	*****	*****	***	***	******
20	12.01	******	*****							20	12.01	******	*****	*****	***	***	******
30	8.02	******	*****							30	8.02	******	*****	*****	***	***	******
50	3.48	******	*****							50	3.48	******	*****	*****	***	***	******
75	2.39	******	*****							75	2.39	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	2.02	******	*****							100	2.02	******	*****	*****	***	***	******
125	1.97	******	*****							125	1.97	******	*****	*****	***	***	******
150	1.59	******	*****							150	1.59	******	*****	*****	***	***	******
200	1.45	******	*****							200	1.45	******	*****	*****	***	***	******
250	1.11	******	*****							250	1.11	******	*****	*****	***	***	******
300	.87	******	*****							300	.87	******	*****	*****	***	***	******
400	.79	******	*****							400	.79	******	*****	*****	***	***	******
500	.50	******	*****							500	.50	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-06 , 37-53.0, N, 129-41.3, E, AUG.10.1981, 10.50 KST, DEPTH 1620 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 999.5, AIR TEMP. DRY 22.3, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	22.54	******	*****							0	22.54	******	*****	*****	***	***	******
10	17.06	******	*****							10	17.06	******	*****	*****	***	***	******
20	12.74	******	*****							20	12.74	******	*****	*****	***	***	******
30	7.87	******	*****							30	7.87	******	*****	*****	***	***	******
50	3.96	******	*****							50	3.96	******	*****	*****	***	***	******
75	2.47	******	*****							75	2.47	******	*****	*****	***	***	******
100	2.39	******	*****							100	2.39	******	*****	*****	***	***	******
125	2.06	******	*****							125	2.06	******	*****	*****	***	***	******
150	1.91	******	*****							150	1.91	******	*****	*****	***	***	******
200	1.74	******	*****							200	1.74	******	*****	*****	***	***	******
250	.93	******	*****							250	.93	******	*****	*****	***	***	******
300	.61	******	*****							300	.61	******	*****	*****	***	***	******
400	.49	******	*****							400	.49	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 106-07 , 37-53.7. N, 130-00.0. E, AUG.10.1981, 14.00 KST, DEPTH 1060 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND N 1, BARO 999.5, AIR TEMP. DRY 23.7. WET . , CLOUD. TYPE ST, AMT 7, WEATHER BC,

0	22.67	******	*****							0	22.67	******	*****	*****	***	***	******
10	21.15	******	*****							10	21.15	******	*****	*****	***	***	******
20	17.45	******	*****							20	17.45	******	*****	*****	***	***	******
30	16.47	******	*****							30	16.47	******	*****	*****	***	***	******
50	7.59	******	*****							50	7.59	******	*****	*****	***	***	******
75	3.42	******	*****							75	3.42	******	*****	*****	***	***	******
100	2.99	******	*****							100	2.99	******	*****	*****	***	***	******
125	2.01	******	*****							125	2.01	******	*****	*****	***	***	******
150	1.84	******	*****							150	1.84	******	*****	*****	***	***	******
200	1.67	******	*****							200	1.67	******	*****	*****	***	***	******
250	1.51	******	*****							250	1.51	******	*****	*****	***	***	******
300	.99	******	*****							300	.99	******	*****	*****	***	***	******
400	.64	******	*****							400	.64	******	*****	*****	***	***	******
500	.51	******	*****							500	.51	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-08 , 37-53.7. N, 130-18.9. E, AUG.10.1981, 17.00 KST, DEPTH 1800 , COLOR 4, TRANS. 18.5,

WAVE 1, SWELL 1, WIND NW 1, BARO 1000. , AIR TEMP. DRY 24.6. WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	22.77	******	*****							0	22.77	******	*****	*****	***	***	******
10	22.56	******	*****							10	22.56	******	*****	*****	***	***	******
20	13.01	******	*****							20	13.01	******	*****	*****	***	***	******
30	7.94	******	*****							30	7.94	******	*****	*****	***	***	******
50	5.66	******	*****							50	5.66	******	*****	*****	***	***	******
75	4.71	******	*****							75	4.71	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	2.80	******	*****							100	2.80	******	*****	*****	***	***	******
125	2.01	******	*****							125	2.01	******	*****	*****	***	***	******
150	1.81	******	*****							150	1.81	******	*****	*****	***	***	******
200	1.36	******	*****							200	1.36	******	*****	*****	***	***	******
250	1.21	******	*****							250	1.21	******	*****	*****	***	***	******
300	.70	******	*****							300	.70	******	*****	*****	***	***	******
400	.51	******	*****							400	.51	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-09 , 37-53.7. N, 130-37.7. E, AUG.10.1981, 19.50 KST, DEPTH 2250 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND N 1, BARO 999.5, AIR TEMP. DRY 23.2. WET . , CLOUD. TYPE , AMT 7, WEATHER BC,

0	22.79	******	*****							0	22.79	******	*****	*****	***	***	******
10	22.15	******	*****							10	22.15	******	*****	*****	***	***	******
20	19.33	******	*****							20	19.33	******	*****	*****	***	***	******
30	12.34	******	*****							30	12.34	******	*****	*****	***	***	******
50	7.96	******	*****							50	7.96	******	*****	*****	***	***	******
75	3.67	******	*****							75	3.67	******	*****	*****	***	***	******
100	2.72	******	*****							100	2.72	******	*****	*****	***	***	******
125	2.65	******	*****							125	2.65	******	*****	*****	***	***	******
150	2.32	******	*****							150	2.32	******	*****	*****	***	***	******
200	1.35	******	*****							200	1.35	******	*****	*****	***	***	******
250	.84	******	*****							250	.84	******	*****	*****	***	***	******
300	.59	******	*****							300	.59	******	*****	*****	***	***	******
400	.42	******	*****							400	.42	******	*****	*****	***	***	******
500	.40	******	*****							500	.40	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-10 , 37-53.7. N, 130-56.5. E, AUG.10.1981, 22.50 KST, DEPTH 1980 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NE 1, BARO 999. , AIR TEMP. DRY 22.1, WET . , CLOUD. TYPE , AMT 10, WEATHER C ,																	
0	23.71	******	*****							0	23.71	******	*****	*****	***	***	******
10	19.51	******	*****							10	19.51	******	*****	*****	***	***	******
20	14.50	******	*****							20	14.50	******	*****	*****	***	***	******
30	8.11	******	*****							30	8.11	******	*****	*****	***	***	******
50	5.79	******	*****							50	5.79	******	*****	*****	***	***	******
75	2.88	******	*****							75	2.88	******	*****	*****	***	***	******
100	2.07	******	*****							100	2.07	******	*****	*****	***	***	******
125	1.99	******	*****							125	1.99	******	*****	*****	***	***	******
150	1.46	******	*****							150	1.46	******	*****	*****	***	***	******
200	1.26	******	*****							200	1.26	******	*****	*****	***	***	******
250	1.03	******	*****							250	1.03	******	*****	*****	***	***	******
300	.81	******	*****							300	.81	******	*****	*****	***	***	******
400	.47	******	*****							400	.47	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-11 , 37-53.7. N, 131-15.1. E, AUG.11.1981, 02.00 KST, DEPTH 2070 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SW 1, BARO 999. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE , AMT 10, WEATHER R ,																	
0	22.41	******	*****							0	22.41	******	*****	*****	***	***	******
10	20.37	******	*****							10	20.37	******	*****	*****	***	***	******
20	15.18	******	*****							20	15.18	******	*****	*****	***	***	******
30	11.20	******	*****							30	11.20	******	*****	*****	***	***	******
50	7.42	******	*****							50	7.42	******	*****	*****	***	***	******
75	7.03	******	*****							75	7.03	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	4.41	******	*****							100	4.41	******	*****	*****	***	***	******
125	2.71	******	*****							125	2.71	******	*****	*****	***	***	******
150	2.14	******	*****							150	2.14	******	*****	*****	***	***	******
200	1.71	******	*****							200	1.71	******	*****	*****	***	***	******
250	1.34	******	*****							250	1.34	******	*****	*****	***	***	******
300	.74	******	*****							300	.74	******	*****	*****	***	***	******
400	.51	******	*****							400	.51	******	*****	*****	***	***	******
500	.42	******	*****							500	.42	******	*****	*****	***	***	******

10월 (October)

KOREA ,CHUN MA SAN , STATION 106-02 , 37-53.7. N, 128-52.5. E, OCT. 7,1981, 11.00 KST, DEPTH 58 , COLOR 4, TRANS. 20.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 1011. , AIR TEMP. DRY 19.1, WET . , CLOUD. TYPE ST, AMT 4, WEATHER BC,

0	20.45	******	*****							0	20.45	******	*****	*****	***	***	******
10	8.67	******	*****							10	8.67	******	*****	*****	***	***	******
20	17.92	******	*****							20	17.92	******	*****	*****	***	***	******
30	10.45	******	*****							30	10.45	******	*****	*****	***	***	******
50	6.30	******	*****							50	6.30	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN . , STATION 106-03 , 37-53.7. N, 128-57.2. E, OCT. 7,1981, 12.00 KST, DEPTH 320 , COLOR 3, TRANS. 22.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 1010. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	18.72	******	*****							0	18.72	******	*****	*****	***	***	******
10	18.46	******	*****							10	18.46	******	*****	*****	***	***	******
20	17.29	******	*****							20	17.29	******	*****	*****	***	***	******
30	8.97	******	*****							30	8.97	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	4.00	******	*****							50	4.00	******	*****	*****	***	***	******
75	3.40	******	*****							75	3.40	******	*****	*****	***	***	******
100	3.14	******	*****							100	3.14	******	*****	*****	***	***	******
125	2.21	******	*****							125	2.21	******	*****	*****	***	***	******
150	1.81	******	*****							150	1.81	******	*****	*****	***	***	******
200	1.32	******	*****							200	1.32	******	*****	*****	***	***	******
250	1.21	******	*****							250	1.21	******	*****	*****	***	***	******
300	.83	******	*****							300	.83	******	*****	*****	***	***	******

KOREA , CHUN MA SAN , STATION 106-04 , 37-53.7. N, 129-03.8. E, OCT. 7,1981, 15.20 KST, DEPTH 710 , COLOR 3, TRANS. 22.0,

WAVE 1, SWELL 1, WIND NE 1, BARO 1010. , AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE ST, AMT 7, WEATHER BC,

0	18.99	******	*****							0	18.99	******	*****	*****	***	***	******
10	16.74	******	*****							10	16.74	******	*****	*****	***	***	******
20	14.86	******	*****							20	14.86	******	*****	*****	***	***	******
30	8.61	******	*****							30	8.61	******	*****	*****	***	***	******
50	3.60	******	*****							50	3.60	******	*****	*****	***	***	******
75	2.82	******	*****							75	2.82	******	*****	*****	***	***	******
100	2.06	******	*****							100	2.06	******	*****	*****	***	***	******
125	1.85	******	*****							125	1.85	******	*****	*****	***	***	******
150	1.59	******	*****							150	1.59	******	*****	*****	***	***	******
200	1.41	******	*****							200	1.41	******	*****	*****	***	***	******
250	.95	******	*****							250	.95	******	*****	*****	***	***	******
300	.76	******	*****							300	.76	******	*****	*****	***	***	******
400	.65	******	*****							400	.65	******	*****	*****	***	***	******
500	.42	******	*****							500	.42	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D DY

KOREA ,CHUN MA SAN , STATION 106-05 , 37-53.7. N, 129-22.1. E, OCT. 7.1981, 16.00 KST, DEPTH 1120 , COLOR 4, TRANS. 17.5,

WAVE 1, SWELL 1, WIND NE 1, BARO 1010. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	18.83	******	*****							0	18.83	******	*****	*****	***	***	******
10	18.41	******	*****							10	18.41	******	*****	*****	***	***	******
20	11.27	******	*****							20	11.27	******	*****	*****	***	***	******
30	9.55	******	*****							30	9.55	******	*****	*****	***	***	******
50	3.16	******	*****							50	3.16	******	*****	*****	***	***	******
75	2.47	******	*****							75	2.47	******	*****	*****	***	***	******
100	2.21	******	*****							100	2.21	******	*****	*****	***	***	******
125	2.11	******	*****							125	2.11	******	*****	*****	***	***	******
150	2.01	******	*****							150	2.01	******	*****	*****	***	***	******
200	1.45	******	*****							200	1.45	******	*****	*****	***	***	******
250	1.15	******	*****							250	1.15	******	*****	*****	***	***	******
300	.81	******	*****							300	.81	******	*****	*****	***	***	******
400	.52	******	*****							400	.52	******	*****	*****	***	***	******
500	.49	******	*****							500	.49	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-06 , 37-53.0. N, 129-41.3. E, OCT. 7.1981, 18.50 KST, DEPTH 1620 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1010. , AIR TEMP. DRY 16.7, WET . , CLOUD. TYPE ST, AMT 9, WEATHER C ,

0	19.12	******	*****							0	19.12	******	*****	*****	***	***	******
10	18.37	******	*****							10	18.37	******	*****	*****	***	***	******
20	17.32	******	*****							20	17.32	******	*****	*****	***	***	******
30	8.58	******	*****							30	8.58	******	*****	*****	***	***	******
50	4.01	******	*****							50	4.01	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	2.39	******	*****							75	2.39	******	*****	*****	***	***	******
100	1.91	******	*****							100	1.91	******	*****	*****	***	***	******
125	1.72	******	*****							125	1.72	******	*****	*****	***	***	******
150	1.57	******	*****							150	1.57	******	*****	*****	***	***	******
200	.96	******	*****							200	.96	******	*****	*****	***	***	******
250	.89	******	*****							250	.89	******	*****	*****	***	***	******
300	.73	******	*****							300	.73	******	*****	*****	***	***	******
400	.51	******	*****							400	.51	******	*****	*****	***	***	******
500	.49	******	*****							500	.49	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-07 , 37-53.7. N, 130-00.0. E, OCT. 7,1981, 21.30 KST, DEPTH 1060 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1010. , AIR TEMP. DRY 16.2. WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.62	******	*****							0	18.62	******	*****	*****	***	***	******
10	17.89	******	*****							10	17.89	******	*****	*****	***	***	******
20	13.38	******	*****							20	13.38	******	*****	*****	***	***	******
30	8.92	******	*****							30	8.92	******	*****	*****	***	***	******
50	4.56	******	*****							50	4.56	******	*****	*****	***	***	******
75	2.82	******	*****							75	2.82	******	*****	*****	***	***	******
100	2.30	******	*****							100	2.30	******	*****	*****	***	***	******
125	2.21	******	*****							125	2.21	******	*****	*****	***	***	******
150	1.98	******	*****							150	1.98	******	*****	*****	***	***	******
200	1.45	******	*****							200	1.45	******	*****	*****	***	***	******
250	.98	******	*****							250	.98	******	*****	*****	***	***	******
300	.38	******	*****							300	.38	******	*****	*****	***	***	******
400	.35	******	*****							400	.35	******	*****	*****	***	***	******
500	.31	******	*****							500	.31	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-08 , 37-53.7. N, 130-18.9. E, OCT. 8.1981, 00.20 KST, DEPTH 1800 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 16.0. WET , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.55	******	*****							0	18.55	******	*****	*****	***	***	******
10	18.50	******	*****							10	18.50	******	*****	*****	***	***	******
20	15.45	******	*****							20	15.45	******	*****	*****	***	***	******
30	8.78	******	*****							30	8.78	******	*****	*****	***	***	******
50	5.10	******	*****							50	5.10	******	*****	*****	***	***	******
75	2.75	******	*****							75	2.75	******	*****	*****	***	***	******
100	2.25	******	*****							100	2.25	******	*****	*****	***	***	******
125	1.95	******	*****							125	1.95	******	*****	*****	***	***	******
150	1.90	******	*****							150	1.90	******	*****	*****	***	***	******
200	1.35	******	*****							200	1.35	******	*****	*****	***	***	******
250	1.17	******	*****							250	1.17	******	*****	*****	***	***	******
300	.65	******	*****							300	.65	******	*****	*****	***	***	******
400	.45	******	*****							400	.45	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 106-09 , 37-53.7. N, 130-37.7. E, OCT. 8.1981, 03.10 KST, DEPTH 2250 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1009. , AIR TEMP. DRY 16.9. WET , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.71	******	*****							0	18.71	******	*****	*****	***	***	******
10	18.54	******	*****							10	18.54	******	*****	*****	***	***	******
20	18.43	******	*****							20	18.43	******	*****	*****	***	***	******
30	8.95	******	*****							30	8.95	******	*****	*****	***	***	******
50	8.25	******	*****							50	8.25	******	*****	*****	***	***	******
75	7.27	******	*****							75	7.27	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	2.06	******	*****							100	2.06	******	*****	*****	***	***	******
125	1.71	******	*****							125	1.71	******	*****	*****	***	***	******
150	1.62	******	*****							150	1.62	******	*****	*****	***	***	******
200	1.60	******	*****							200	1.60	******	*****	*****	***	***	******
250	1.27	******	*****							250	1.27	******	*****	*****	***	***	******
300	.62	******	*****							300	.62	******	*****	*****	***	***	******
400	.46	******	*****							400	.46	******	*****	*****	***	***	******
500	.45	******	*****							500	.45	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 106-10 , 37-53.7. N, 130-56.5. E, OCT. 8,1981, 06.00 KST, DEPTH 1980 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND SE 2, BARO 1009. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	18.77	******	*****							0	18.77	******	*****	*****	***	***	******
10	18.65	******	*****							10	18.65	******	*****	*****	***	***	******
20	16.89	******	*****							20	16.89	******	*****	*****	***	***	******
30	16.81	******	*****							30	16.81	******	*****	*****	***	***	******
50	11.17	******	*****							50	11.17	******	*****	*****	***	***	******
75	5.92	******	*****							75	5.92	******	*****	*****	***	***	******
100	2.59	******	*****							100	2.59	******	*****	*****	***	***	******
125	1.96	******	*****							125	1.96	******	*****	*****	***	***	******
150	1.85	******	*****							150	1.85	******	*****	*****	***	***	******
200	1.47	******	*****							200	1.47	******	*****	*****	***	***	******
250	1.23	******	*****							250	1.23	******	*****	*****	***	***	******
300	.82	******	*****							300	.82	******	*****	*****	***	***	******
400	.49	******	*****							400	.49	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 106-11 , 37-53.7. N, 131-15.1. E, OCT. 8.1981, 08.40 KST, DEPTH 2070 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 2, WIND SE 1, BARO 1007. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	18.42	******	*****							0	18.42	******	*****	*****	***	***	******
10	18.01	******	*****							10	18.01	******	*****	*****	***	***	******
20	15.37	******	*****							20	15.37	******	*****	*****	***	***	******
30	12.43	******	*****							30	12.43	******	*****	*****	***	***	******
50	7.06	******	*****							50	7.06	******	*****	*****	***	***	******
75	5.59	******	*****							75	5.59	******	*****	*****	***	***	******
100	3.75	******	*****							100	3.75	******	*****	*****	***	***	******
125	2.41	******	*****							125	2.41	******	*****	*****	***	***	******
150	2.31	******	*****							150	2.31	******	*****	*****	***	***	******
200	2.13	******	*****							200	2.13	******	*****	*****	***	***	******
250	1.39	******	*****							250	1.39	******	*****	*****	***	***	******
300	1.16	******	*****							300	1.16	******	*****	*****	***	***	******
400	1.02	******	*****							400	1.02	******	*****	*****	***	***	******
500	.92	******	*****							500	.92	******	*****	*****	***	***	******

12월 (December)

KOREA ,CHUN MA SAN , STATION 106-02 , 37-53.7. N, 128-52.5. E, DEC.19.1981, 07.20 KST, DEPTH 55 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 7.7, WET . , CLOUD. TYPE CI, AMT 8, WEATHER C ,

0	10.36	34.160	*****							0	10.36	34.160	*****	26.25	177	177	.0000
10	10.32	34.140	*****							10	10.32	34.140	*****	26.25	178	178	.0178
20	10.20	34.160	*****							20	10.20	34.160	*****	26.28	175	175	.0355
30	9.13	33.990	*****							30	9.13	33.990	*****	26.33	170	171	.0528
50	6.57	33.980	*****							50	6.57	33.980	*****	26.70	135	136	.0835

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-03 , 37-53.7. N, 128-57.2. E, DEC.19.1981, 08.10 KST, DEPTH 320 , COLOR 4, TRANS. 15.0,																	
WAVE 3, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 8.0. WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,																	
0	11.01	34.270	*****							0	11.01	34.270	*****	26.23	180	180	.0000
10	11.23	34.250	*****							10	11.23	34.250	*****	26.17	185	185	.0183
20	9.73	34.200	*****							20	9.73	34.200	*****	26.39	164	164	.0358
30	7.87	34.210	*****							30	7.87	34.210	*****	26.69	136	136	.0509
50	7.58	33.930	*****							50	7.58	33.930	*****	26.52	152	153	.0798
75	4.12	34.010	*****							75	4.12	34.010	*****	27.01	106	106	.1123
100	2.95	33.990	*****							100	2.95	33.990	*****	27.11	96	97	.1378
125	2.43	34.000	*****							125	2.43	34.000	*****	27.16	91	92	.1614
150	2.14	34.040	*****							150	2.14	34.040	*****	27.21	86	86	.1838
200	2.15	34.060	*****							200	2.15	34.060	*****	27.23	85	85	.2270
250	1.02	34.030	*****							250	1.02	34.030	*****	27.29	79	79	.2684
300	.90	34.030	*****							300	.90	34.030	*****	27.29	79	79	.3081
KOREA ,CHUN MA SAN , STATION 106-04 , 37-53.7. N, 129-03.8. E, DEC.19.1981, 09.30 KST, DEPTH 710 , COLOR 4, TRANS. 15.0,																	
WAVE 4, SWELL 2, WIND SW 4, BARO 1012. , AIR TEMP. DRY 8.0. WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,																	
0	11.00	34.380	*****							0	11.00	34.380	*****	26.31	172	171	.0000
10	11.30	34.370	*****							10	11.30	34.370	*****	26.25	178	178	.0175
20	12.25	34.380	*****							20	12.25	34.380	*****	26.08	194	194	.0361
30	12.15	34.380	*****							30	12.15	34.380	*****	26.10	192	192	.0555
50	10.45	34.070	*****							50	10.45	34.070	*****	26.17	185	186	.0935
75	8.45	34.100	*****							75	8.45	34.100	*****	26.52	152	153	.1360
100	4.85	34.040	*****							100	4.85	34.040	*****	26.95	111	112	.1692
125	2.35	34.000	*****							125	2.35	34.000	*****	27.17	91	91	.1946

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
150	1.85	34.000	*****							150	1.85	34.000	*****	27.20	87	87	.2171
200	.95	34.030	*****							200	.95	34.030	*****	27.29	79	79	.2588
250	.50	34.010	*****							250	.50	34.010	*****	27.30	78	78	.2982
300	.40	34.010	*****							300	.40	34.010	*****	27.31	77	77	.3370
400	.35	34.030	*****							400	.35	34.030	*****	27.33	76	75	.4135
500	.30	34.010	*****							500	.30	34.010	*****	27.31	77	76	.4895

KOREA ,CHUN MA SAN , STATION 106-05 , 37-53.7. N, 129-22.1. E, DEC.19.1981, 12.30 KST, DEPTH 1120 , COLOR 4, TRANS. 15.0,
WAVE 5, SWELL 2, WIND W 5, BARO 1012. , AIR TEMP. DRY 7.3, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	10.65	34.160	*****							0	10.65	34.160	*****	26.20	182	182	.0000
10	10.53	34.170	*****							10	10.53	34.170	*****	26.23	179	179	.0181
20	10.05	34.090	*****							20	10.05	34.090	*****	26.25	177	177	.0360
30	9.54	******	*****							30	9.54	******	*****	*****	***	***	******
50	8.32	34.040	*****							50	8.32	34.040	*****	26.49	155	155	******
75	6.22	33.930	*****							75	6.22	33.930	*****	26.70	135	135	******
100	5.63	33.900	*****							100	5.63	33.900	*****	26.75	130	131	******
125	4.02	34.060	*****							125	4.02	34.060	*****	27.06	101	102	******
150	3.52	34.000	*****							150	3.52	34.000	*****	27.06	101	101	******
200	2.15	34.050	*****							200	2.15	34.050	*****	27.22	85	86	******
250	2.05	33.950	*****							250	2.05	33.950	*****	27.15	92	93	******
300	1.07	33.890	*****							300	1.07	33.890	*****	27.17	90	90	******
400	.95	34.040	*****							400	.95	34.040	*****	27.30	78	78	******
500	.64	34.060	*****							500	.64	34.060	*****	27.33	75	75	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-06 , 37-53.0. N, 129-41.3. E, DEC.21.1981, 15.50 KST, DEPTH 1620 , COLOR 4, TRANS. 16.0,																	
WAVE 3, SWELL 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	8.49	34.020	*****							0	8.49	34.020	*****	26.45	159	158	.0000
10	8.85	34.010	*****							10	8.85	34.010	*****	26.39	165	164	.0162
20	8.67	34.010	*****							20	8.67	34.010	*****	26.42	162	162	.0326
30	8.21	34.020	*****							30	8.21	34.020	*****	26.49	154	155	.0484
50	8.20	34.020	*****							50	8.20	34.020	*****	26.50	154	155	.0795
75	7.94	33.930	*****							75	7.94	33.930	*****	26.46	157	158	.1188
100	7.41	33.990	*****							100	7.41	33.990	*****	26.59	146	147	.1570
125	4.62	33.960	*****							125	4.62	33.960	*****	26.92	114	115	.1899
150	3.01	33.990	*****							150	3.01	33.990	*****	27.10	97	98	.2167
200	1.94	34.000	*****							200	1.94	34.000	*****	27.20	88	88	.2633
250	1.62	34.050	*****							250	1.62	34.050	*****	27.26	82	82	.3061
300	1.20	34.030	*****							300	1.20	34.030	*****	27.27	80	81	.3471
400	1.03	34.030	*****							400	1.03	34.030	*****	27.29	79	80	.4277
500	.85	34.030	*****							500	.85	34.030	*****	27.30	78	78	.5072
KOREA ,CHUN MA SAN , STATION 106-07 , 37-53.7. N, 130-00.0. E, DEC.21.1981, 18.40 KST, DEPTH 1060 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND N 3, BARO 1016. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	8.65	34.020	*****							0	8.65	34.020	*****	26.43	161	161	.0000
10	8.75	34.020	*****							10	8.75	34.020	*****	26.41	162	162	.0162
20	7.82	33.930	*****							20	7.82	33.930	*****	26.48	156	156	.0321
30	7.35	33.930	*****							30	7.35	33.930	*****	26.55	149	149	.0474
50	6.82	33.940	*****							50	6.82	33.940	*****	26.63	142	142	.0767
75	6.22	33.950	*****							75	6.22	33.950	*****	26.72	133	134	.1113

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	5.59	33.960	*****							100	5.59	33.960	*****	26.80	125	126	.1439
125	3.76	34.030	*****							125	3.76	34.030	*****	27.06	101	101	.1725
150	2.08	34.020	*****							150	2.08	34.020	*****	27.20	87	88	.1962
200	2.03	34.030	*****							200	2.03	34.030	*****	27.21	86	87	.2400
250	1.14	34.030	*****							250	1.14	34.030	*****	27.28	80	80	.2819
300	1.10	33.980	*****							300	1.10	33.980	*****	27.24	84	84	.3231
400	1.07	34.030	*****							400	1.07	34.030	*****	27.28	80	80	.4054
500	.70	34.070	*****							500	.70	34.070	*****	27.34	74	74	.4830

KOREA , CHUK MA SAN , STATION 106-08 , 37-53.7. N, 130-18.9. E, DEC.21.1981, 21.30 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE , SWELL , WIND N 3, BARO 1016. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.45	34.190	*****							0	10.45	34.190	*****	26.26	176	176	.0000
10	10.44	34.240	*****							10	10.44	34.240	*****	26.30	173	173	.0175
20	10.60	34.140	*****							20	10.60	34.140	*****	26.20	183	183	.0353
30	10.02	34.120	*****							30	10.02	34.120	*****	26.28	175	175	.0532
50	8.25	34.020	*****							50	8.25	34.020	*****	26.49	155	156	.0864
75	6.18	34.010	*****							75	6.18	34.010	*****	26.77	128	129	.1221
100	3.79	33.960	*****							100	3.79	33.960	*****	27.00	106	107	.1517
125	3.54	33.970	*****							125	3.54	33.970	*****	27.04	103	104	.1781
150	3.06	34.030	*****							150	3.06	34.030	*****	27.13	94	95	.2031
200	3.01	34.030	*****							200	3.01	34.030	*****	27.13	94	95	.2508
250	2.28	34.100	*****							250	2.28	34.100	*****	27.25	83	84	.2956
300	1.36	33.980	*****							300	1.36	33.980	*****	27.22	85	86	.3382
400	1.20	34.000	*****							400	1.20	34.000	*****	27.25	83	83	.4230
500	1.00	34.070	*****							500	1.00	34.070	*****	27.32	76	76	.5032

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 106-09 , 37-53.7. N, 130-37.7. E, DEC.22.1981, 00.30 KST, DEPTH 4250 , COLOR , TRANS. . ,																	
WAVE , SWELL 2, WIND NW 4, BARO 1014.9, AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	10.15	34.180	*****							0	10.15	34.180	*****	26.31	172	172	.0000
10	10.16	34.170	*****							10	10.16	34.170	*****	26.30	173	173	.0173
20	10.20	34.010	*****							20	10.20	34.010	*****	26.17	186	186	.0353
30	9.15	34.110	*****							30	9.15	34.110	*****	26.42	162	162	.0527
50	7.56	34.050	*****							50	7.56	34.050	*****	26.61	143	144	.0834
75	4.74	33.960	*****							75	4.74	33.960	*****	26.90	116	116	.1160
100	3.78	33.920	*****							100	3.78	33.920	*****	26.97	109	110	.1443
125	2.25	33.960	*****							125	2.25	33.960	*****	27.14	93	93	.1698
150	2.03	33.990	*****							150	2.03	33.990	*****	27.18	89	89	.1928
200	1.45	33.980	*****							200	1.45	33.980	*****	27.22	86	86	.2369
KOREA ,CHUN MA SAN , STATION 106-10 , 37-53.7. N, 130-56.5. E, DEC.22.1981, 03.10 KST, DEPTH 1980 , COLOR , TRANS. . ,																	
WAVE , SWELL 1, WIND NW 4, BARO 1014.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	9.78	34.130	*****							0	9.78	34.130	*****	26.33	170	170	.0000
10	8.47	34.070	*****							10	8.47	34.070	*****	26.49	155	154	.0163
20	7.58	33.980	*****							20	7.58	33.980	*****	26.56	149	149	.0315
30	5.98	34.010	*****							30	5.98	34.010	*****	26.80	126	126	.0452
50	3.76	34.020	*****							50	3.76	34.020	*****	27.05	101	102	.0681
75	2.80	34.020	*****							75	2.80	34.020	*****	27.14	93	93	.0925
100	2.27	34.000	*****							100	2.27	34.000	*****	27.17	90	90	.1156
125	2.21	34.010	*****							125	2.21	34.010	*****	27.18	89	89	.1381
150	1.75	34.020	*****							150	1.75	34.020	*****	27.23	85	85	.1600
200	1.26	34.020	*****							200	1.26	34.020	*****	27.26	82	82	.2020

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	1.01	34.030	*****							250	1.01	34.030	*****	27.29	79	79	.2424
300	1.00	34.030	*****							300	1.00	34.030	*****	27.29	79	79	.2823
400	.95	34.030	*****							400	.95	34.030	*****	27.29	79	79	.3619
500	.80	34.020	*****							500	.80	34.020	*****	27.29	79	79	.4413

KOREA ,CHUN MA SAN , STATION 106-11 , 37-53.7. N, 131-15.1. E, DEC.22.1981, 06.00 KST, DEPTH 2070 , COLOR , TRANS. . ,

WAVE , SWELL , WIND NW 4, BARO 1014.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	8.20	34.070	*****							0	8.20	34.070	*****	26.53	151	150	.0000
10	8.45	34.100	*****							10	8.45	34.100	*****	26.52	152	152	.0152
20	8.55	34.100	*****							20	8.55	34.100	*****	26.50	153	154	.0305
30	8.42	34.100	*****							30	8.42	34.100	*****	26.52	152	152	.0458
50	7.76	34.120	*****							50	7.76	34.120	*****	26.64	141	141	.0752
75	7.05	34.110	*****							75	7.05	34.110	*****	26.73	132	133	.1096
100	6.75	33.990	*****							100	6.75	33.990	*****	26.68	137	138	.1435
125	3.95	34.030	*****							125	3.95	34.030	*****	27.04	102	103	.1738
150	2.36	34.020	*****							150	2.36	34.020	*****	27.18	89	90	.1981
200	2.13	34.030	*****							200	2.13	34.030	*****	27.21	87	87	.2426
250	1.89	34.020	*****							250	1.89	34.020	*****	27.22	86	86	.2863
300	1.22	34.030	*****							300	1.22	34.030	*****	27.27	81	81	.3283
400	1.20	34.030	*****							400	1.20	34.030	*****	27.27	80	81	.4096
500	1.10	34.020	*****							500	1.10	34.020	*****	27.27	81	81	.4910

105선 해양관측 성적

Oceanographic Data. Line 105

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,CHUN MA SAN , STATION 105-03 , 37-33.2. N, 129-10.3. E, FEB.22,1981, 13.30 KST, DEPTH 48 , COLOR 4, TRANS. 12.5,

WAVE 4, SWELL 2, WIND SW 4, BARO 1018. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	3.36	******	*****							0	3.36	******	*****	*****	***	***	******
10	3.31	******	*****							10	3.31	******	*****	*****	***	***	******
20	2.85	******	*****							20	2.85	******	*****	*****	***	***	******
30	2.95	******	*****							30	2.95	******	*****	*****	***	***	******
45	2.75	******	*****														

KOREA ,CHUN MA SAN , STATION 105-04 , 37-33.2. N, 129-15.5. E, FEB.22.1981, 12.40 KST, DEPTH 250 , COLOR 4, TRANS. 14.0,

WAVE 3, SWELL 1, WIND SW 3, BARO 1018. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	3.63	******	*****							0	3.63	******	*****	*****	***	***	******
10	3.60	******	*****							10	3.60	******	*****	*****	***	***	******
20	3.10	******	*****							20	3.10	******	*****	*****	***	***	******
30	2.89	******	*****							30	2.89	******	*****	*****	***	***	******
50	2.83	******	*****							50	2.83	******	*****	*****	***	***	******
75	2.81	******	*****							75	2.81	******	*****	*****	***	***	******
100	2.70	******	*****							100	2.70	******	*****	*****	***	***	******
125	2.14	******	*****							125	2.14	******	*****	*****	***	***	******
150	1.76	******	*****							150	1.76	******	*****	*****	***	***	******
200	.77	******	*****							200	.77	******	*****	*****	***	***	******
245	.59	******	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-05 , 37-33.2. N, 129-22.6. E, FEB.22.1981, 11.20 KST, DEPTH 380 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SW 3, BARO 1017.5, AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE ST, AMT 7, WEATHER BC,

0	6.91	******	*****							0	6.91	******	*****	*****	***	***	******
10	6.59	******	*****							10	6.59	******	*****	*****	***	***	******
20	5.99	******	*****							20	5.99	******	*****	*****	***	***	******
30	3.64	******	*****							30	3.64	******	*****	*****	***	***	******
50	2.86	******	*****							50	2.86	******	*****	*****	***	***	******
75	2.68	******	*****							75	2.68	******	*****	*****	***	***	******
100	2.42	******	*****							100	2.42	******	*****	*****	***	***	******
125	2.52	******	*****							125	2.52	******	*****	*****	***	***	******
150	2.41	******	*****							150	2.41	******	*****	*****	***	***	******
200	2.09	******	*****							200	2.09	******	*****	*****	***	***	******
250	2.05	******	*****							250	2.05	******	*****	*****	***	***	******
300	1.16	******	*****							300	1.16	******	*****	*****	***	***	******
375	.58	******	*****														

KOREA ,CHUN MA SAN , STATION 105-06 , 37-33.2. N, 129-41.3. E, FEB.22.1981, 08.30 KST, DEPTH 810 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1017. , AIR TEMP. DRY 6.2, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	7.41	******	*****							0	7.41	******	*****	*****	***	***	******
10	7.43	******	*****							10	7.43	******	*****	*****	***	***	******
20	7.25	******	*****							20	7.25	******	*****	*****	***	***	******
30	7.26	******	*****							30	7.26	******	*****	*****	***	***	******
50	7.18	******	*****							50	7.18	******	*****	*****	***	***	******
75	7.21	******	*****							75	7.21	******	*****	*****	***	***	******
100	6.06	******	*****							100	6.06	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	6.02	******	*****							125	6.02	******	*****	*****	***	***	******
150	2.85	******	*****							150	2.85	******	*****	*****	***	***	******
200	.87	******	*****							200	.87	******	*****	*****	***	***	******
250	.77	******	*****							250	.77	******	*****	*****	***	***	******
300	.61	******	*****							300	.61	******	*****	*****	***	***	******
400	.41	******	*****							400	.41	******	*****	*****	***	***	******
500	.35	******	*****							500	.35	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-07 , 37-33.2. N, 130-00.0. E, FEB.22.1981, 05.40 KST, DEPTH 1480 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1015.5, AIR TEMP. DRY 3.3, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	7.17	******	*****							0	7.17	******	*****	*****	***	***	******
10	7.15	******	*****							10	7.15	******	*****	*****	***	***	******
20	6.73	******	*****							20	6.73	******	*****	*****	***	***	******
30	6.56	******	*****							30	6.56	******	*****	*****	***	***	******
50	5.23	******	*****							50	5.23	******	*****	*****	***	***	******
75	5.07	******	*****							75	5.07	******	*****	*****	***	***	******
100	4.19	******	*****							100	4.19	******	*****	*****	***	***	******
125	3.75	******	*****							125	3.75	******	*****	*****	***	***	******
150	3.06	******	*****							150	3.06	******	*****	*****	***	***	******
200	1.45	******	*****							200	1.45	******	*****	*****	***	***	******
250	1.43	******	*****							250	1.43	******	*****	*****	***	***	******
300	.49	******	*****							300	.49	******	*****	*****	***	***	******
400	.30	******	*****							400	.30	******	*****	*****	***	***	******
500	.26	******	*****							500	.26	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-08 , 37-33.2. N, 130-18.7. E, FEB.22.1981, 02.40 KST, DEPTH 1503 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND SW 5, BARO 1012.5, AIR TEMP. DRY 2.5, WET . , CLOUD. TYPE , AMT 4, WEATHER BC,

0	7.59	******	*****	0	7.59	******	*****	*****	***	***	******
10	7.72	******	*****	10	7.72	******	*****	*****	***	***	******
20	7.73	******	*****	20	7.73	******	*****	*****	***	***	******
30	7.68	******	*****	30	7.68	******	*****	*****	***	***	******
50	7.28	******	*****	50	7.28	******	*****	*****	***	***	******
75	6.72	******	*****	75	6.72	******	*****	*****	***	***	******
100	3.58	******	*****	100	3.58	******	*****	*****	***	***	******
125	3.14	******	*****	125	3.14	******	*****	*****	***	***	******
150	2.18	******	*****	150	2.18	******	*****	*****	***	***	******
200	1.20	******	*****	200	1.20	******	*****	*****	***	***	******
250	.80	******	*****	250	.80	******	*****	*****	***	***	******
300	.70	******	*****	300	.70	******	*****	*****	***	***	******
400	.47	******	*****	400	.47	******	*****	*****	***	***	******
500	.47	******	*****	500	.47	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-09 , 37-33.2. N, 130-37.5. E, FEB.21.1981, 23.50 KST, DEPTH 1140 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND SW 3, BARO 1012.5, AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE , AMT 3, WEATHER BC,

0	9.01	******	*****	0	9.01	******	*****	*****	***	***	******
10	8.99	******	*****	10	8.99	******	*****	*****	***	***	******
20	9.03	******	*****	20	9.03	******	*****	*****	***	***	******
30	8.94	******	*****	30	8.94	******	*****	*****	***	***	******
50	8.80	******	*****	50	8.80	******	*****	*****	***	***	******
75	8.72	******	*****	75	8.72	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	8.53	******	*****							100	8.53	******	*****	*****	***	***	******
125	8.17	******	*****							125	8.17	******	*****	*****	***	***	******
150	7.12	******	*****							150	7.12	******	*****	*****	***	***	******
200	4.55	******	*****							200	4.55	******	*****	*****	***	***	******
250	2.60	******	*****							250	2.60	******	*****	*****	***	***	******
300	1.25	******	*****							300	1.25	******	*****	*****	***	***	******
400	.71	******	*****							400	.71	******	*****	*****	***	***	******
500	.48	******	*****							500	.48	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-10 , 37-33.2. N, 130-55.9. E, FEB.21.1981, 20.30 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 3, BARO 1012.5, AIR TEMP. DRY 3.5, WET . , CLOUD. TYPE ST, AMT 3, WEATHER BC,

0	8.09	******	*****							0	8.09	******	*****	*****	***	***	******
10	8.22	******	*****							10	8.22	******	*****	*****	***	***	******
20	8.10	******	*****							20	8.10	******	*****	*****	***	***	******
30	8.08	******	*****							30	8.08	******	*****	*****	***	***	******
50	7.97	******	*****							50	7.97	******	*****	*****	***	***	******
75	7.89	******	*****							75	7.89	******	*****	*****	***	***	******
100	7.78	******	*****							100	7.78	******	*****	*****	***	***	******
125	7.45	******	*****							125	7.45	******	*****	*****	***	***	******
150	6.79	******	*****							150	6.79	******	*****	*****	***	***	******
200	3.36	******	*****							200	3.36	******	*****	*****	***	***	******
250	1.98	******	*****							250	1.98	******	*****	*****	***	***	******
300	.44	******	*****							300	.44	******	*****	*****	***	***	******
400	.43	******	*****							400	.43	******	*****	*****	***	***	******
500	.34	******	*****							500	.34	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 105-11 , 37-33.2. N, 131-14.6. E, FEB.21.1981, 17.30 KST, DEPTH 2375 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND NW 3, BARO 1014.5, AIR TEMP. DRY 4.5, WET . , CLOUD. TYPE ST, AMT 3, WEATHER BC,																	
0	8.29	******	*****							0	8.29	******	*****	*****	***	***	******
10	8.36	******	*****							10	8.36	******	*****	*****	***	***	******
20	8.32	******	*****							20	8.32	******	*****	*****	***	***	******
30	8.16	******	*****							30	8.16	******	*****	*****	***	***	******
50	8.16	******	*****							50	8.16	******	*****	*****	***	***	******
75	8.13	******	*****							75	8.13	******	*****	*****	***	***	******
100	8.06	******	*****							100	8.06	******	*****	*****	***	***	******
125	7.79	******	*****							125	7.79	******	*****	*****	***	***	******
150	7.26	******	*****							150	7.26	******	*****	*****	***	***	******
200	4.35	******	*****							200	4.35	******	*****	*****	***	***	******
250	2.37	******	*****							250	2.37	******	*****	*****	***	***	******
300	.96	******	*****							300	.96	******	*****	*****	***	***	******
400	.57	******	*****							400	.57	******	*****	*****	***	***	******
500	.59	******	*****							500	.59	******	*****	*****	***	***	******

4 월(April)

KOREA ,CHUN MA SAN , STATION 105-03 , 37-33.2. N, 129-10.3. E, APR. 9.1981, 11.20 KST, DEPTH 48 , COLOR 4, TRANS. 13.0,																	
WAVE 2, SWELL 2, WIND NW 2, BARO 1013. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,																	
0	8.54	34.240	*****							0	8.54	34.240	*****	26.62	143	143	.0000
10	5.43	34.160	*****							10	5.43	34.160	*****	26.98	108	108	.0126
20	2.77	34.200	*****							20	2.77	34.200	*****	27.29	79	79	.0220
30	1.74	34.050	*****							30	1.74	34.050	*****	27.25	83	82	.0301
45	.32	33.960	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-04 , 37-33.2. N, 129-15.5. E, APR. 9.1981, 10.00 KST, DEPTH 250 , COLOR 4, TRANS. 15.0,

WAVE 2, SWELL 2, WIND NW 2, BARO 1013. , AIR TEMP. DRY 12.5. WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	8.42	34.250	*****							0	8.42	34.250	*****	26.64	140	140	.0000
10	7.04	34.220	*****							10	7.04	34.220	*****	26.82	124	123	.0132
20	6.35	34.240	*****							20	6.35	34.240	*****	26.93	113	113	.0251
30	5.81	34.180	*****							30	5.81	34.180	*****	26.95	111	111	.0364
50	3.26	34.150	*****							50	3.26	34.150	*****	27.21	87	87	.0563
75	2.58	34.070	*****							75	2.58	34.070	*****	27.20	87	87	.0782
100	1.57	34.040	*****							100	1.57	34.040	*****	27.26	82	82	.0996
125	1.48	33.980	*****							125	1.48	33.980	*****	27.22	86	86	.1207
150	1.13	33.960	*****							150	1.13	33.960	*****	27.22	85	85	.1422
200	.78	33.950	*****							200	.78	33.950	*****	27.24	84	84	.1847
245	.55	33.960	*****														

KOREA ,CHUN MA SAN , STATION 105-05 , 37-33.2. N, 129-22.6. E, APR. 9.1981, 08.10 KST, DEPTH 380 , COLOR 4, TRANS. 18.5,

WAVE 2, SWELL 2, WIND NE 2, BARO 1018. , AIR TEMP. DRY 9.5. WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	8.11	34.250	*****							0	8.11	34.250	*****	26.69	136	136	.0000
10	8.10	34.240	*****							10	8.10	34.240	*****	26.68	137	136	.0137
20	8.03	34.250	*****							20	8.03	34.250	*****	26.70	135	135	.0273
30	7.47	34.220	*****							30	7.47	34.220	*****	26.76	129	129	.0405
50	6.24	34.180	*****							50	6.24	34.180	*****	26.90	116	117	.0652
75	5.45	34.160	*****							75	5.45	34.160	*****	26.98	109	109	.0936
100	5.36	34.090	*****							100	5.36	34.090	*****	26.93	113	114	.1216
125	3.44	34.050	*****							125	3.44	34.050	*****	27.11	96	97	.1480
150	1.29	34.020	*****							150	1.29	34.020	*****	27.26	82	82	.1704

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	1.24	33.980	*****							200	1.24	33.980	*****	27.23	84	85	.2123
250	1.19	33.950	*****							250	1.19	33.950	*****	27.21	86	87	.2553
300	.67	33.910	*****							300	.67	33.910	*****	27.21	86	86	.2987
KOREA , CHUN MA SAN , STATION 105-06 , 37-33.2. N, 129-41.3. E, APR. 9.1981, 05.10 KST, DEPTH 810 , COLOR -, TRANS. . ,																	
WAVE 2, SWELL 2, WIND SE 2, BARO 1019. , AIR TEMP. DRY 9.1, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,																	
0	8.52	34.250	*****							0	8.52	34.250	*****	26.63	142	142	.0000
10	8.54	34.220	*****							10	8.54	34.220	*****	26.60	144	144	.0143
20	8.26	34.240	*****							20	8.26	34.240	*****	26.66	139	139	.0285
30	7.90	34.180	*****							30	7.90	34.180	*****	26.67	138	138	.0425
50	5.41	34.200	*****							50	5.41	34.200	*****	27.02	105	105	.0669
75	4.47	34.150	*****							75	4.47	34.150	*****	27.08	99	99	.0926
100	2.41	34.130	*****							100	2.41	34.130	*****	27.26	81	82	.1153
125	1.97	34.090	*****							125	1.97	34.090	*****	27.27	81	81	.1358
150	1.93	34.090	*****							150	1.93	34.090	*****	27.27	81	81	.1562
200	1.95	33.980	*****							200	1.95	33.980	*****	27.18	89	90	.1992
250	1.92	34.000	*****							250	1.92	34.000	*****	27.20	88	88	.2439
300	1.89	34.020	*****							300	1.89	34.020	*****	27.22	86	87	.2878
400	1.40	33.980	*****							400	1.40	33.980	*****	27.22	86	86	.3747
500	.94	33.930	*****							500	.94	33.930	*****	27.21	86	87	.4615
KOREA , CHUN MA SAN , STATION 105-07 , 37-33.2. N, 130-00.0. E, APR. 9.1981, 02.10 KST, DEPTH 1480 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 1, WIND SE 4, BARO 1019. , AIR TEMP. DRY 9.2. WET . , CLOUD. TYPE , AMT 6, WEATHER BC,																	
0	8.55	34.220	*****							0	8.55	34.220	*****	26.60	145	144	.0000
10	8.20	34.250	*****							10	8.20	34.250	*****	26.68	137	137	.0141
20	7.24	34.240	*****							20	7.24	34.240	*****	26.81	125	125	.0273

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	4.60	34.200	*****							30	4.60	34.200	*****	27.11	96	96	.0384
50	4.57	34.180	*****							50	4.57	34.180	*****	27.10	97	98	.0578
75	4.26	34.160	*****							75	4.26	34.160	*****	27.11	96	96	.0822
100	3.22	34.150	*****							100	3.22	34.150	*****	27.21	87	87	.1052
125	2.26	34.130	*****							125	2.26	34.130	*****	27.28	80	81	.1263
150	1.62	34.110	*****							150	1.62	34.110	*****	27.31	77	77	.1461
200	1.27	34.040	*****							200	1.27	34.040	*****	27.28	80	80	.1857
250	1.26	34.020	*****							250	1.26	34.020	*****	27.26	82	82	.2265
300	1.19	34.000	*****							300	1.19	34.000	*****	27.25	83	83	.2679
400	.66	33.980	*****							400	.66	33.980	*****	27.27	81	81	.3502
500	.54	33.930	*****							500	.54	33.930	*****	27.24	84	84	.4330

KOREA ,CHUN MA SAN , STATION 105-08 , 37-33.2. N, 130-18.7. E, APR. 8.1981, 23.10 KST, DEPTH 1503 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1020. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT 6, WEATHER BC,

0	9.43	34.250	*****							0	9.43	34.250	*****	26.48	156	155	.0000
10	9.41	34.220	*****							10	9.41	34.220	*****	26.46	158	157	.0157
20	8.64	34.240	*****							20	8.64	34.240	*****	26.60	144	144	.0308
30	8.31	34.180	*****							30	8.31	34.180	*****	26.60	144	144	.0453
50	7.42	34.160	*****							50	7.42	34.160	*****	26.72	133	134	.0732
75	7.22	34.130	*****							75	7.22	34.130	*****	26.72	133	133	.1067
100	7.06	34.110	*****							100	7.06	34.110	*****	26.73	132	133	.1402
125	6.45	34.070	*****							125	6.45	34.070	*****	26.78	127	129	.1730
150	6.23	34.090	*****							150	6.23	34.090	*****	26.83	123	125	.2048
200	6.06	34.070	*****							200	6.06	34.070	*****	26.83	122	125	.2674
250	2.59	34.000	*****							250	2.59	34.000	*****	27.15	93	94	.3222

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
300	2.15	33.980	*****							300	2.15	33.980	*****	27.17	91	92	.3688
400	.80	33.980	*****							400	.80	33.980	*****	27.26	82	82	.4560
500	.73	33.950	*****							500	.73	33.950	*****	27.24	84	84	.5392

KOREA ,CHUN MA SAN , STATION 105-09 , 37-33.2. N, 130-37.5. E, APR. 8.1981, 20.10 KST, DEPTH 1140 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND SE 3, BARO 1021.5, AIR TEMP. DRY 11.1, WET . , CLOUD. TYPE , AMT 6, WEATHER BC,

0	9.57	34.250	*****	0	9.57	34.250	*****	26.46	158	158	.0000
10	8.67	34.220	*****	10	8.67	34.220	*****	26.58	146	146	.0152
20	8.26	34.240	*****	20	8.26	34.240	*****	26.66	139	139	.0295
30	8.17	34.250	*****	30	8.17	34.250	*****	26.68	137	137	.0434
50	7.92	34.200	*****	50	7.92	34.200	*****	26.68	137	138	.0709
75	7.72	34.180	*****	75	7.72	34.180	*****	26.69	136	137	.1053
100	7.43	34.130	*****	100	7.43	34.130	*****	26.69	135	137	.1396
125	7.20	34.150	*****	125	7.20	34.150	*****	26.74	131	132	.1734
150	7.02	34.070	*****	150	7.02	34.070	*****	26.71	134	136	.2071
200	6.29	34.090	*****	200	6.29	34.090	*****	26.82	124	126	.2730
250	4.36	34.040	*****	250	4.36	34.040	*****	27.01	106	108	.3317
300	2.81	34.000	*****	300	2.81	34.000	*****	27.13	94	96	.3829
400	.86	33.950	*****	400	.86	33.950	*****	27.23	84	84	.4736
500	.57	33.910	*****	500	.57	33.910	*****	27.22	86	85	.5590

KOREA ,CHUN MA SAN , STATION 105-10 , 37-33.2. N, 130-55.9. E, APR. 8.1981, 17.00 KST, DEPTH 1800 , COLOR 4, TRANS. 22.0,
WAVE 2, SWELL 1, WIND E 3, BARO 1022. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE , AMT 4, WEATHER BC,

0	9.51	34.250	*****	0	9.51	34.250	*****	26.47	157	157	.0000
10	9.11	34.250	*****	10	9.11	34.250	*****	26.53	151	151	.0154
20	8.22	34.220	*****	20	8.22	34.220	*****	26.65	140	140	.0300

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	8.12	34.240	*****							30	8.12	34.240	*****	26.68	137	137	.0439
50	7.87	34.180	*****							50	7.87	34.180	*****	26.67	138	138	.0715
75	7.82	34.200	*****							75	7.82	34.200	*****	26.69	136	137	.1060
100	7.51	34.150	*****							100	7.51	34.150	*****	26.70	135	136	.1402
125	7.10	34.070	*****							125	7.10	34.070	*****	26.69	135	137	.1745
150	7.00	34.110	*****							150	7.00	34.110	*****	26.74	131	133	.2084
200	5.04	34.020	*****							200	5.04	34.020	*****	26.92	114	116	.2710
250	3.55	34.040	*****							250	3.55	34.040	*****	27.09	98	100	.3252
300	1.82	33.980	*****							300	1.82	33.980	*****	27.19	88	89	.3726
400	.72	33.960	*****							400	.72	33.960	*****	27.25	83	83	.4590
500	.51	33.960	*****							500	.51	33.960	*****	27.26	82	81	.5415

KOREA ,CHUN MA SAN , STATION 105-11 , 37-33.2. N, 131-14.6. E, APR. 8.1981, 14.00 KST, DEPTH 2375 , COLOR 4, TRANS. 23.0,

WAVE 2, SWELL 1, WIND E 2, BARO 1022. , AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE ST, AMT 5, WEATHER BC,

0	9.76	34.250	*****							0	9.76	34.250	*****	26.43	161	161	.0000
10	9.27	34.250	*****							10	9.27	34.250	*****	26.51	153	153	.0157
20	8.63	34.240	*****							20	8.63	34.240	*****	26.60	144	144	.0306
30	8.18	34.240	*****							30	8.18	34.240	*****	26.67	138	138	.0448
50	7.73	34.200	*****							50	7.73	34.200	*****	26.71	134	135	.0722
75	7.37	34.180	*****							75	7.37	34.180	*****	26.74	131	132	.1056
100	7.07	34.180	*****							100	7.07	34.180	*****	26.78	127	128	.1382
125	6.21	34.200	*****							125	6.21	34.200	*****	26.92	114	116	.1689
150	5.84	34.150	*****							150	5.84	34.150	*****	26.92	114	115	.1979
200	5.18	34.090	*****							200	5.18	34.090	*****	26.96	111	113	.2552
250	3.80	34.070	*****							250	3.80	34.070	*****	27.09	98	100	.3085

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
300	1.68	34.020	*****							300	1.68	34.020	*****	27.23	84	85	.3549
400	.89	33.980	*****							400	.89	33.980	*****	27.25	82	82	.4391
500	.76	33.960	*****							500	.76	33.960	*****	27.25	83	83	.5223

6 월 (June)

KOREA ,CHUN MA SAN , STATION 105-03 , 37-33.2. N, 129-10.3. E, JUN.10.1981, 09.00 KST, DEPTH 48 , COLOR , TRANS. . ,
WAVE 1, SWELL 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER R ,

0	12.75	******	*****							0	12.75	******	*****	*****	***	***	******
10	11.25	******	*****							10	11.25	******	*****	*****	***	***	******
20	7.95	******	*****							20	7.95	******	*****	*****	***	***	******
30	6.74	******	*****							30	6.74	******	*****	*****	***	***	******
45	5.85	******	*****														

KOREA ,CHUN MA SAN , STATION 105-04 , 37-33.2. N, 129-15.5. E, JUN.10.1981, 07.50 KST, DEPTH 260 ., COLOR 3, TRANS. 15.5,
WAVE 1, SWELL 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER R ,

0	12.65	******	*****							0	12.65	******	*****	*****	***	***	******
10	10.55	******	*****							10	10.55	******	*****	*****	***	***	******
20	5.85	******	*****							20	5.85	******	*****	*****	***	***	******
30	4.70	******	*****							30	4.70	******	*****	*****	***	***	******
50	4.75	******	*****							50	4.75	******	*****	*****	***	***	******
75	3.85	******	*****							75	3.85	******	*****	*****	***	***	******
100	2.75	******	*****							100	2.75	******	*****	*****	***	***	******
125	2.35	******	*****							125	2.35	******	*****	*****	***	***	******
150	2.10	******	*****							150	2.10	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	1.75	******	*****							200	1.75	******	*****	*****	***	***	******
250	1.15	******	*****							250	1.15	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-05 , 37-33.2. N, 129-22.6. E, JUN.10.1981, 06.10 KST, DEPTH 380 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1010. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER R ,

0	13.35	******	*****							0	13.35	****** *****	*****	***	***	******
10	12.55	******	*****							10	12.35	****** *****	*****	***	***	******
20	4.85	******	*****							20	4.85	****** *****	*****	***	***	******
30	3.25	******	*****							30	3.25	****** *****	*****	***	***	******
50	2.25	******	*****							50	2.25	****** *****	*****	***	***	******
75	1.95	******	*****							75	1.95	****** *****	*****	***	***	******
100	1.56	******	*****							100	1.56	****** *****	*****	***	***	******
125	.85	******	*****							125	.85	****** *****	*****	***	***	******
150	.85	******	*****							150	.85	****** *****	*****	***	***	******
200	.75	******	*****							200	.75	****** *****	*****	***	***	******
250	.68	******	*****							250	.68	****** *****	*****	***	***	******
300	.61	******	*****							300	.61	****** *****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-06 , 37-33.2. N, 129-41.3. E, JUN.10.1981, 03.20 KST, DEPTH 810 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1013. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE , AMT 10, WEATHER R ,

0	13.12	******	*****							0	13.12	****** *****	*****	***	***	******
10	12.27	******	*****							10	12.27	****** *****	*****	***	***	******
20	11.14	******	*****							20	11.14	****** *****	*****	***	***	******
30	5.46	******	*****							30	5.46	****** *****	*****	***	***	******
50	3.18	******	*****							50	3.18	****** *****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	1.46	******	*****							75	1.46	******	*****	*****	***	***	******
100	1.39	******	*****							100	1.39	******	*****	*****	***	***	******
125	1.31	******	*****							125	1.31	******	*****	*****	***	***	******
150	1.24	******	*****							150	1.24	******	*****	*****	***	***	******
200	1.22	******	*****							200	1.22	******	*****	*****	***	***	******
250	1.12	******	*****							250	1.12	******	*****	*****	***	***	******
300	.54	******	*****							300	.54	******	*****	*****	***	***	******
400	.32	******	*****							400	.32	******	*****	*****	***	***	******
500	.29	******	*****							500	.29	******	*****	*****	***	***	******

KOREA , CHUN MA SAN , STATION 105-07 , 37-33.2, N, 130-00.0, E, JUN.10.1981, 00.20 KST, DEPTH 1480 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 17.5, WET , , CLOUD. TYPE , AMT 9, WEATHER C ,

0	16.20	******	*****							0	16.20	******	*****	*****	***	***	******
10	15.23	******	*****							10	15.23	******	*****	*****	***	***	******
20	13.62	******	*****							20	13.62	******	*****	*****	***	***	******
30	13.23	******	*****							30	13.23	******	*****	*****	***	***	******
50	11.65	******	*****							50	11.65	******	*****	*****	***	***	******
75	8.87	******	*****							75	8.87	******	*****	*****	***	***	******
100	5.43	******	*****							100	5.43	******	*****	*****	***	***	******
125	2.49	******	*****							125	2.49	******	*****	*****	***	***	******
150	2.50	******	*****							150	2.50	******	*****	*****	***	***	******
200	2.15	******	*****							200	2.15	******	*****	*****	***	***	******
250	1.02	******	*****							250	1.02	******	*****	*****	***	***	******
300	.72	******	*****							300	.72	******	*****	*****	***	***	******
400	.52	******	*****							400	.52	******	*****	*****	***	***	******
500	.42	******	*****							500	.42	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 105-08 , 37-33.2. N, 130-18.7. E, JUN. 9.1981, 21.20 KST, DEPTH 1503 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,																	
0	15.35	******	*****							0	15.35	******	*****	*****	***	***	******
10	13.15	******	*****							10	13.15	******	*****	*****	***	***	******
20	12.13	******	*****							20	12.13	******	*****	*****	***	***	******
30	10.35	******	*****							30	10.35	******	*****	*****	***	***	******
50	8.45	******	*****							50	8.45	******	*****	*****	***	***	******
75	8.00	******	*****							75	8.00	******	*****	*****	***	***	******
100	7.95	******	*****							100	7.95	******	*****	*****	***	***	******
125	7.95	******	*****							125	7.95	******	*****	*****	***	***	******
150	7.65	******	*****							150	7.65	******	*****	*****	***	***	******
200	7.35	******	*****							200	7.35	******	*****	*****	***	***	******
250	5.14	******	*****							250	5.14	******	*****	*****	***	***	******
300	2.35	******	*****							300	2.35	******	*****	*****	***	***	******
400	1.45	******	*****							400	1.45	******	*****	*****	***	***	******
500	1.35	******	*****							500	1.35	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 105-09 , 37-33.2. N, 130-37.5. E, JUN. 9.1981, 18.15 KST, DEPTH 1140 , COLOR 3, TRANS. 17.5,																	
WAVE 1, SWELL 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CI, AMT 10, WEATHER C ,																	
0	14.95	******	*****							0	14.95	******	*****	*****	***	***	******
10	13.44	******	*****							10	13.44	******	*****	*****	***	***	******
20	12.95	******	*****							20	12.95	******	*****	*****	***	***	******
30	10.10	******	*****							30	10.10	******	*****	*****	***	***	******
50	8.10	******	*****							50	8.10	******	*****	*****	***	***	******
75	7.95	******	*****							75	7.95	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	7.80	******	*****							100	7.80	******	*****	*****	***	***	******
125	7.75	******	*****							125	7.75	******	*****	*****	***	***	******
150	7.67	******	*****							150	7.67	******	*****	*****	***	***	******
200	7.60	******	*****							200	7.60	******	*****	*****	***	***	******
250	7.45	******	*****							250	7.45	******	*****	*****	***	***	******
300	5.10	******	*****							300	5.10	******	*****	*****	***	***	******
400	2.65	******	*****							400	2.65	******	*****	*****	***	***	******
500	1.70	******	*****							500	1.70	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-10 , 37-33.2. N, 130-55.9. E, JUN. 9.1981, 15.10 KST, DEPTH 1800 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	14.30	******	*****							0	14.30	******	*****	*****	***	***	******
10	13.90	******	*****							10	13.90	******	*****	*****	***	***	******
20	12.45	******	*****							20	12.45	******	*****	*****	***	***	******
30	11.90	******	*****							30	11.90	******	*****	*****	***	***	******
50	8.35	******	*****							50	8.35	******	*****	*****	***	***	******
75	7.95	******	*****							75	7.95	******	*****	*****	***	***	******
100	7.95	******	*****							100	7.95	******	*****	*****	***	***	******
125	7.85	******	*****							125	7.85	******	*****	*****	***	***	******
150	7.80	******	*****							150	7.80	******	*****	*****	***	***	******
200	6.85	******	*****							200	6.85	******	*****	*****	***	***	******
250	5.30	******	*****							250	5.30	******	*****	*****	***	***	******
300	4.85	******	*****							300	4.85	******	*****	*****	***	***	******
400	2.51	******	*****							400	2.51	******	*****	*****	***	***	******
500	1.30	******	*****							500	1.30	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-11 , 37-33.2. N, 131-14.6. E, JUN. 9.1981, 12.10 KST, DEPTH 2375 , COLOR 2, TRANS. 19.5,

WAVE 2, SWELL 1, WIND SE 2, BARO 1011. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	14.56	******	*****							0	14.56	******	*****	*****	***	***	******
10	13.92	******	*****							10	13.92	******	*****	*****	***	***	******
20	11.02	******	*****							20	11.02	******	*****	*****	***	***	******
30	10.15	******	*****							30	10.15	******	*****	*****	***	***	******
50	8.19	******	*****							50	8.19	******	*****	*****	***	***	******
75	8.00	******	*****							75	8.00	******	*****	*****	***	***	******
100	7.98	******	*****							100	7.98	******	*****	*****	***	***	******
125	7.90	******	*****							125	7.90	******	*****	*****	***	***	******
150	7.85	******	*****							150	7.85	******	*****	*****	***	***	******
200	7.70	******	*****							200	7.70	******	*****	*****	***	***	******
250	7.65	******	*****							250	7.65	******	*****	*****	***	***	******
300	6.75	******	*****							300	6.75	******	*****	*****	***	***	******
400	1.95	******	*****							400	1.95	******	*****	*****	***	***	******
500	1.60	******	*****							500	1.60	******	*****	*****	***	***	******

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KOREA ,CHUN MA SAN , STATION 105-03 , 37-33.2. N, 129-10.3. E, AUG.10.1981, 01.40 KST, DEPTH 48 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 2, BARO 997. , AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE , AMT 5, WEATHER BC,

0	22.31	******	*****							0	22.31	******	*****	*****	***	***	******
10	16.78	******	*****							10	16.78	******	*****	*****	***	***	******
20	8.39	******	*****							20	8.39	******	*****	*****	***	***	******
30	5.09	******	*****							30	5.09	******	*****	*****	***	***	******
45	2.95	******	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-04 , 37-33.2. N, 129-15.5. E, AUG.10.1981, 00.20 KST, DEPTH 250 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND S 1, BARO 996.5, AIR TEMP. DRY 22.6, WET , , CLOUD. TYPE , AMT 4, WEATHER BC,

0	22.37	******	*****							0	22.37	******	*****	*****	***	***	******
10	17.04	******	*****							10	17.04	******	*****	*****	***	***	******
20	8.42	******	*****							20	8.42	******	*****	*****	***	***	******
30	7.42	******	*****							30	7.42	******	*****	*****	***	***	******
50	5.87	******	*****							50	5.87	******	*****	*****	***	***	******
75	4.61	******	*****							75	4.61	******	*****	*****	***	***	******
100	2.82	******	*****							100	2.82	******	*****	*****	***	***	******
125	2.61	******	*****							125	2.61	******	*****	*****	***	***	******
150	2.01	******	*****							150	2.01	******	*****	*****	***	***	******
200	1.59	******	*****							200	1.59	******	*****	*****	***	***	******
245	1.51	******	*****														

KOREA ,CHUN MA SAN , STATION 105-05 , 37-33.2. N, 129-22.6. E, AUG. 9.1981, 22.30 KST, DEPTH 380 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND S 1, BARO 997. , AIR TEMP. DRY 22.2. WET , , CLOUD. TYPE , AMT 2, WEATHER B ,

0	22.50	******	*****							0	22.50	******	*****	*****	***	***	******
10	11.31	******	*****							10	11.31	******	*****	*****	***	***	******
20	8.19	******	*****							20	8.19	******	*****	*****	***	***	******
30	7.11	******	*****							30	7.11	******	*****	*****	***	***	******
50	5.34	******	*****							50	5.34	******	*****	*****	***	***	******
75	3.62	******	*****							75	3.62	******	*****	*****	***	***	******
100	2.08	******	*****							100	2.08	******	*****	*****	***	***	******
125	1.59	******	*****							125	1.59	******	*****	*****	***	***	******
150	1.52	******	*****							150	1.52	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	1.50	******	*****							200	1.50	******	*****	*****	***	***	******
250	1.42	******	*****							250	1.42	******	*****	*****	***	***	******
300	1.24	******	*****							300	1.24	******	*****	*****	***	***	******
375	.79	******	*****														

KOREA ,CHUN HA SAN , STATION 105-06 , 37-33.2. N, 129-41.3. E, AUG. 9.1981, 19.30 KST, DEPTH 810 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 1, BARO 995. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE ST, AMT 3, WEATHER BC,

0	23.15	******	*****							0	23.15	******	*****	*****	***	***	******
10	21.96	******	*****							10	21.96	******	*****	*****	***	***	******
20	11.41	******	*****							20	11.41	******	*****	*****	***	***	******
30	6.35	******	*****							30	6.35	******	*****	*****	***	***	******
50	3.42	******	*****							50	3.42	******	*****	*****	***	***	******
75	2.96	******	*****							75	2.96	******	*****	*****	***	***	******
100	2.83	******	*****							100	2.83	******	*****	*****	***	***	******
125	2.34	******	*****							125	2.34	******	*****	*****	***	***	******
150	1.49	******	*****							150	1.49	******	*****	*****	***	***	******
200	1.10	******	*****							200	1.10	******	*****	*****	***	***	******
250	.88	******	*****							250	.88	******	*****	*****	***	***	******
300	.76	******	*****							300	.76	******	*****	*****	***	***	******
400	.51	******	*****							400	.51	******	*****	*****	***	***	******
500	.46	******	*****							500	.46	******	*****	*****	***	***	******

KOREA ,CHUN HA SAN , STATION 105-07 , 37-33.2. N, 130-00.0. E, AUG. 9.1981, 16.20 KST, DEPTH 1480 , COLOR 4, TRANS. 18.5,

WAVE 1, SWELL 1, WIND SW 1, BARO 996.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	22.95	******	*****							0	22.95	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.84	******	*****							10	18.84	******	*****	*****	***	***	******
20	17.06	******	*****							20	17.06	******	*****	*****	***	***	******
30	7.59	******	*****							30	7.59	******	*****	*****	***	***	******
50	6.70	******	*****							50	6.70	******	*****	*****	***	***	******
75	4.19	******	*****							75	4.19	******	*****	*****	***	***	******
100	3.12	******	*****							100	3.12	******	*****	*****	***	***	******
125	3.04	******	*****							125	3.04	******	*****	*****	***	***	******
150	2.19	******	*****							150	2.19	******	*****	*****	***	***	******
200	1.54	******	*****							200	1.54	******	*****	*****	***	***	******
250	1.37	******	*****							250	1.37	******	*****	*****	***	***	******
300	1.21	******	*****							300	1.21	******	*****	*****	***	***	******
400	.74	******	*****							400	.74	******	*****	*****	***	***	******
500	.59	******	*****							500	.59	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-08 , 37-33.2. N, 130-18.7. E, AUG. 9.1981, 13.30 KST, DEPTH 1503 , COLOR 4, TRANS. 18.8,

WAVE 1, SWELL 1, WIND SW 2, BARO 996. , AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE CU, AMT 2, WEATHER B ,

0	22.51	******	*****							0	22.51	******	*****	*****	***	***	******
10	20.91	******	*****							10	20.91	******	*****	*****	***	***	******
20	14.33	******	*****							20	14.33	******	*****	*****	***	***	******
30	10.42	******	*****							30	10.42	******	*****	*****	***	***	******
50	7.37	******	*****							50	7.37	******	*****	*****	***	***	******
75	4.31	******	*****							75	4.31	******	*****	*****	***	***	******
100	3.37	******	*****							100	3.37	******	*****	*****	***	***	******
125	2.84	******	*****							125	2.84	******	*****	*****	***	***	******
150	2.53	******	*****							150	2.53	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	2.03	******	*****							200	2.03	******	*****	*****	***	***	******
250	1.15	******	*****							250	1.15	******	*****	*****	***	***	******
300	.91	******	*****							300	.91	******	*****	*****	***	***	******
400	.60	******	*****							400	.60	******	*****	*****	***	***	******
500	.49	******	*****							500	.49	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-09 , 37-33.2. N, 130-37.5. E, AUG. 9.1981, 10.30 KST, DEPTH 1140 , COLOR 4, TRANS. 19.0,

WAVE 1, SWELL 1, WIND SW 2, BARO 996. , AIR TEMP. DRY 25.1. WET . , CLOUD. TYPE CU, AMT 2, WEATHER B ,

0	22.19	******	*****							0	22.19	******	*****	*****	***	***	******
10	15.51	******	*****							10	15.51	******	*****	*****	***	***	******
20	11.95	******	*****							20	11.95	******	*****	*****	***	***	******
30	7.29	******	*****							30	7.29	******	*****	*****	***	***	******
50	4.65	******	*****							50	4.65	******	*****	*****	***	***	******
75	2.81	******	*****							75	2.81	******	*****	*****	***	***	******
100	2.69	******	*****							100	2.69	******	*****	*****	***	***	******
125	1.83	******	*****							125	1.83	******	*****	*****	***	***	******
150	1.70	******	*****							150	1.70	******	*****	*****	***	***	******
200	1.30	******	*****							200	1.30	******	*****	*****	***	***	******
250	1.12	******	*****							250	1.12	******	*****	*****	***	***	******
300	1.05	******	*****							300	1.05	******	*****	*****	***	***	******
400	.71	******	*****							400	.71	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-10 , 37-33.2. N, 130-55.9. E, AUG. 9.1981, 07.20 KST, DEPTH 1800 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SW 2, BARO 996. , AIR TEMP. DRY 24.3, WET . , CLOUD. TYPE CU, AMT 2, WEATHER B ,

0	20.88	******	*****							0	20.88	******	*****	*****	***	***	******
10	18.00	******	*****							10	18.00	******	*****	*****	***	***	******
20	12.78	******	*****							20	12.78	******	*****	*****	***	***	******
30	7.90	******	*****							30	7.90	******	*****	*****	***	***	******
50	4.81	******	*****							50	4.81	******	*****	*****	***	***	******
75	2.80	******	*****							75	2.80	******	*****	*****	***	***	******
100	2.31	******	*****							100	2.31	******	*****	*****	***	***	******
125	2.27	******	*****							125	2.27	******	*****	*****	***	***	******
150	1.93	******	*****							150	1.93	******	*****	*****	***	***	******
200	1.48	******	*****							200	1.48	******	*****	*****	***	***	******
250	1.33	******	*****							250	1.33	******	*****	*****	***	***	******
300	1.24	******	*****							300	1.24	******	*****	*****	***	***	******
400	.73	******	*****							400	.73	******	*****	*****	***	***	******
500	.51	******	*****							500	.51	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-11 , 37-33.2. N, 131-14.6. E, AUG. 9.1981, 04.20 KST, DEPTH 2375 , COLOR , TRANS. . ,

WAVE , SWELL , WIND SW 2, BARO 995. , AIR TEMP. DRY 23.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.61	******	*****							0	21.61	******	*****	*****	***	***	******
10	19.23	******	*****							10	19.23	******	*****	*****	***	***	******
20	14.00	******	*****							20	14.00	******	*****	*****	***	***	******
30	12.38	******	*****							30	12.38	******	*****	*****	***	***	******
50	7.75	******	*****							50	7.75	******	*****	*****	***	***	******
75	7.41	******	*****							75	7.41	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
100	6.35	******	*****							100	6.35	******	*****	*****	***	***	******
125	5.17	******	*****							125	5.17	******	*****	*****	***	***	******
150	4.32	******	*****							150	4.32	******	*****	*****	***	***	******
200	3.67	******	*****							200	3.67	******	*****	*****	***	***	******
250	1.09	******	*****							250	1.09	******	*****	*****	***	***	******
300	.92	******	*****							300	.92	******	*****	*****	***	***	******
400	.72	******	*****							400	.72	******	*****	*****	***	***	******
500	.57	******	*****							500	.57	******	*****	*****	***	***	******

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KOREA ,CHUN MA SAN , STATION 105-03 , 37-33.2. N, 129-10.3. E, OCT. 9.1981, 07.00 KST, DEPTH 48 , COLOR 4, TRANS. 8.0,
WAVE 4, SWELL 2, WIND SW 3, BARO 999.5, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	18.69	******	*****							0	18.69	******	*****	*****	***	***	******
10	18.57	******	*****							10	18.57	******	*****	*****	***	***	******
20	18.01	******	*****							20	18.01	******	*****	*****	***	***	******
30	12.75	******	*****							30	12.75	******	*****	*****	***	***	******
45	9.52	******	*****														

KOREA ,CHUN MA SAN , STATION 105-04 , 37-33.2. N, 129-15.5. E, OCT. 9.1981, 06.00 KST, DEPTH 250 , COLOR , TRANS. . ,
WAVE 1, SWELL 2, WIND SW 3, BARO 999.5, AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	18.47	******	*****							0	18.47	******	*****	*****	***	***	******
10	18.41	******	*****							10	18.41	******	*****	*****	***	***	******
20	14.24	******	*****							20	14.24	******	*****	*****	***	***	******
30	10.67	******	*****							30	10.67	******	*****	*****	***	***	******
50	7.06	******	*****							50	7.06	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	4.21	******	*****							75	4.21	******	*****	*****	***	***	******
100	3.02	******	*****							100	3.02	******	*****	*****	***	***	******
125	2.48	******	*****							125	2.48	******	*****	*****	***	***	******
150	2.26	******	*****							150	2.26	******	*****	*****	***	***	******
200	2.12	******	*****							200	2.12	******	*****	*****	***	***	******
245	1.57	******	*****														

KOREA ,CHUN MA SAN , STATION 105-05 , 37-33.2. N, 129-22.6. E, OCT. 9,1981, 04.30 KST, DEPTH 380 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND W 1, BARO 1001. , AIR TEMP. DRY 16.8. WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.71	******	*****							0	18.71	******	*****	*****	***	***	******
10	18.50	******	*****							10	18.50	******	*****	*****	***	***	******
20	17.92	******	*****							20	17.92	******	*****	*****	***	***	******
30	17.51	******	*****							30	17.51	******	*****	*****	***	***	******
50	8.95	******	*****							50	8.95	******	*****	*****	***	***	******
75	5.46	******	*****							75	5.46	******	*****	*****	***	***	******
100	2.92	******	*****							100	2.92	******	*****	*****	***	***	******
125	2.72	******	*****							125	2.72	******	*****	*****	***	***	******
150	2.31	******	*****							150	2.31	******	*****	*****	***	***	******
200	2.04	******	*****							200	2.04	******	*****	*****	***	***	******
250	1.31	******	*****							250	1.31	******	*****	*****	***	***	******
300	1.14	******	*****							300	1.14	******	*****	*****	***	***	******
375	1.05	******	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-06 , 37-33.2. N, 129-41.3. E, OCT. 9.1981, 01.50 KST, DEPTH 810 , COLOR , TRANS. . ,
WAVE 1, SWELL 2, WIND W 1, BARO 1004. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.59	******	*****							0	18.59	******	*****	*****	***	***	******
10	18.02	******	*****							10	18.02	******	*****	*****	***	***	******
20	17.09	******	*****							20	17.09	******	*****	*****	***	***	******
30	15.07	******	*****							30	15.07	******	*****	*****	***	***	******
50	9.91	******	*****							50	9.91	******	*****	*****	***	***	******
75	2.90	******	*****							75	2.90	******	*****	*****	***	***	******
100	2.40	******	*****							100	2.40	******	*****	*****	***	***	******
125	2.24	******	*****							125	2.24	******	*****	*****	***	***	******
150	1.95	******	*****							150	1.95	******	*****	*****	***	***	******
200	1.64	******	*****							200	1.64	******	*****	*****	***	***	******
250	1.42	******	*****							250	1.42	******	*****	*****	***	***	******
300	1.09	******	*****							300	1.09	******	*****	*****	***	***	******
400	.57	******	*****							400	.57	******	*****	*****	***	***	******
500	.46	******	*****							500	.46	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-07 , 37-33.2. N, 130-00.0. E, OCT. 8.1981, 23.00 KST, DEPTH 1480 , COLOR , TRANS. . ,
WAVE 1, SWELL 1, WIND SW 1, BARO 1004. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.81	******	*****							0	18.81	******	*****	*****	***	***	******
10	18.69	******	*****							10	18.69	******	*****	*****	***	***	******
20	15.46	******	*****							20	15.46	******	*****	*****	***	***	******
30	10.26	******	*****							30	10.26	******	*****	*****	***	***	******
50	8.01	******	*****							50	8.01	******	*****	*****	***	***	******
75	7.74	******	*****							75	7.74	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	2.75	******	*****							100	2.75	******	*****	*****	***	***	******
125	1.95	******	*****							125	1.95	******	*****	*****	***	***	******
150	1.89	******	*****							150	1.89	******	*****	*****	***	***	******
200	1.47	******	*****							200	1.47	******	*****	*****	***	***	******
250	.93	******	*****							250	.93	******	*****	*****	***	***	******
300	.77	******	*****							300	.77	******	*****	*****	***	***	******
400	.61	******	*****							400	.61	******	*****	*****	***	***	******
500	.50	******	*****							500	.50	******	*****	*****	***	***	******

KOREA ,CHUN HA SAN , STATION 105-08 , 37-33.2. N, 130-18.7. E, OCT. 8.1981, 20.20 KST, DEPTH 1503 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1005. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE ST, AMT 9, WEATHER C ,

0	18.71	******	*****							0	18.71	******	*****	*****	***	***	******
10	18.10	******	*****							10	18.10	******	*****	*****	***	***	******
20	17.89	******	*****							20	17.89	******	*****	*****	***	***	******
30	15.40	******	*****							30	15.40	******	*****	*****	***	***	******
50	7.62	******	*****							50	7.62	******	*****	*****	***	***	******
75	3.65	******	*****							75	3.65	******	*****	*****	***	***	******
100	2.60	******	*****							100	2.60	******	*****	*****	***	***	******
125	2.04	******	*****							125	2.04	******	*****	*****	***	***	******
150	1.67	******	*****							150	1.67	******	*****	*****	***	***	******
200	1.45	******	*****							200	1.45	******	*****	*****	***	***	******
250	1.11	******	*****							250	1.11	******	*****	*****	***	***	******
300	.84	******	*****							300	.84	******	*****	*****	***	***	******
400	.51	******	*****							400	.51	******	*****	*****	***	***	******
500	.42	******	*****							500	.42	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 105-09 , 37-33.2. N, 130-37.5. E, OCT. 8.1981, 17.40 KST, DEPTH 1140 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 3, BARO 1005. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	20.20	******	*****							0	20.20	******	*****	*****	***	***	******
10	20.19	******	*****							10	20.19	******	*****	*****	***	***	******
20	19.19	******	*****							20	19.19	******	*****	*****	***	***	******
30	17.17	******	*****							30	17.17	******	*****	*****	***	***	******
50	10.21	******	*****							50	10.21	******	*****	*****	***	***	******
75	4.86	******	*****							75	4.86	******	*****	*****	***	***	******
100	3.24	******	*****							100	3.24	******	*****	*****	***	***	******
125	2.45	******	*****							125	2.45	******	*****	*****	***	***	******
150	2.23	******	*****							150	2.23	******	*****	*****	***	***	******
200	2.01	******	*****							200	2.01	******	*****	*****	***	***	******
250	1.72	******	*****							250	1.72	******	*****	*****	***	***	******
300	.92	******	*****							300	.92	******	*****	*****	***	***	******
400	.42	******	*****							400	.42	******	*****	*****	***	***	******
500	.39	******	*****							500	.39	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-10 , 37-33.2. N, 130-55.9. E, OCT. 8.1981, 14.50 KST, DEPTH 1800 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 2, WIND SE 1, BARO 1007. , AIR TEMP. DRY 18.7, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	18.52	******	*****							0	18.52	******	*****	*****	***	***	******
10	17.76	******	*****							10	17.76	******	*****	*****	***	***	******
20	17.59	******	*****							20	17.59	******	*****	*****	***	***	******
30	16.38	******	*****							30	16.38	******	*****	*****	***	***	******
50	9.51	******	*****							50	9.51	******	*****	*****	***	***	******
75	8.92	******	*****							75	8.92	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	8.78	******	*****							100	8.78	******	*****	*****	***	***	******
125	3.58	******	*****							125	3.58	******	*****	*****	***	***	******
150	2.91	******	*****							150	2.91	******	*****	*****	***	***	******
200	2.07	******	*****							200	2.07	******	*****	*****	***	***	******
250	1.32	******	*****							250	1.32	******	*****	*****	***	***	******
300	1.03	******	*****							300	1.03	******	*****	*****	***	***	******
400	.65	******	*****							400	.65	******	*****	*****	***	***	******
500	.49	******	*****							500	.49	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 105-11 , 37-33.2. N, 131-14.6. E, OCT. 8.1981, 12.10 KST, DEPTH 2375 , COLOR 3, TRANS. 19.5,
WAVE 1, SWELL 1, WIND SE 1, BARO 1006.5, AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE ST, AMT 9, WEATHER C ,

0	18.80	******	*****							0	18.80	******	*****	*****	***	***	******
10	18.75	******	*****							10	18.75	******	*****	*****	***	***	******
20	18.70	******	*****							20	18.70	******	*****	*****	***	***	******
30	18.49	******	*****							30	18.49	******	*****	*****	***	***	******
50	15.55	******	*****							50	15.55	******	*****	*****	***	***	******
75	13.61	******	*****							75	13.61	******	*****	*****	***	***	******
100	6.51	******	*****							100	6.51	******	*****	*****	***	***	******
125	3.75	******	*****							125	3.75	******	*****	*****	***	***	******
150	2.47	******	*****							150	2.47	******	*****	*****	***	***	******
200	2.10	******	*****							200	2.10	******	*****	*****	***	***	******
250	1.38	******	*****							250	1.38	******	*****	*****	***	***	******
300	1.10	******	*****							300	1.10	******	*****	*****	***	***	******
400	.90	******	*****							400	.90	******	*****	*****	***	***	******
500	.50	******	*****							500	.50	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,CHUN MA SAN , STATION 105-03 , 37-33.2. N, 129-10.3. E, DEC.18.1981, 00.00 KST, DEPTH 48 , COLOR , TRANS. . ,

WAVE , SWELL 2, WIND N 3, BARO 1013. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	13.20	34.400	*****	0	13.20	34.400	*****	25.91	210	210	.0000
10	12.45	34.430	*****	10	12.45	34.430	*****	26.08	194	194	.0202
20	12.50	34.360	*****	20	12.50	34.360	*****	26.02	200	200	.0400
30	9.85	34.350	*****	30	9.85	34.350	*****	26.49	155	155	.0578
45	9.45	34.040	*****								

KOREA ,CHUN MA SAN , STATION 105-04 , 37-33.2. N, 129-15.5. E, DEC. 7.1981, 22.50 KST, DEPTH 280 , COLOR , TRANS. . ,

WAVE , SWELL 2, WIND N 3, BARO 1013. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	13.80	34.420	*****	0	13.80	34.420	*****	25.80	220	220	.0000
10	13.95	34.410	*****	10	13.95	34.410	*****	25.76	224	224	.0223
20	13.20	34.380	*****	20	13.20	34.380	*****	25.89	212	212	.0441
30	12.65	34.280	*****	30	12.65	34.280	*****	25.92	209	209	.0652
50	10.45	34.100	*****	50	10.45	34.100	*****	26.19	183	184	.1046
75	10.30	33.970	*****	75	10.30	33.970	*****	26.12	190	192	.1516
100	6.45	34.090	*****	100	6.45	34.090	*****	26.80	126	127	.1916
125	5.95	34.030	*****	125	5.95	34.030	*****	26.81	124	125	.2232
150	2.35	34.020	*****	150	2.35	34.020	*****	27.18	89	90	.2502
200	1.90	34.020	*****	200	1.90	34.020	*****	27.22	86	86	.2944
250	1.35	34.070	*****	250	1.35	34.070	*****	27.30	78	79	.3359

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA , CHUN MA SAN , STATION 105-05 , 37-33.2. N, 129-22.6. E, DEC.17.1981, 21.10 KST, DEPTH 380 , COLOR , TRANS. . .

WAVE , SWELL , WIND N 2, BARO 1031. , AIR TEMP. DRY 7.0. WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	11.51	******	*****	0	11.51	******	*****	*****	***	***	.0000
10	11.80	******	*****	10	11.80	******	*****	*****	***	***	******
20	11.70	34.100	*****	20	11.70	34.100	*****	25.97	205	205	******
30	11.20	34.110	*****	30	11.20	34.110	*****	26.07	195	195	******
50	10.75	34.120	*****	50	10.75	34.120	*****	26.16	187	187	******
75	9.85	33.990	*****	75	9.85	33.990	*****	26.21	182	183	******
100	3.20	34.010	*****	100	3.20	34.010	*****	27.10	97	97	******
125	1.80	34.060	*****	125	1.80	34.060	*****	27.26	82	82	******
150	1.51	34.080	*****	150	1.51	34.080	*****	27.29	79	79	******
200	1.35	34.040	*****	200	1.35	34.040	*****	27.27	81	81	******
250	.85	******	*****	250	.85	******	*****	*****	***	***	******
300	.51	34.060	*****	300	.51	34.060	*****	27.34	74	74	******

KOREA , CHUN MA SAN , STATION 105-06 , 37-33.2. N, 129-41.3. E, DEC.17.1981, 18.10 KST, DEPTH 810 , COLOR , TRANS. . .

WAVE 2, SWELL 2, WIND N 2, BARO 1031. , AIR TEMP. DRY 7.5. WET . , CLOUD. TYPE , AMT 4, WEATHER BC,

0	13.75	34.330	*****	0	13.75	34.330	*****	25.74	226	226	.0000
10	13.80	34.330	*****	10	13.80	34.330	*****	25.73	227	227	.0227
20	13.60	34.290	*****	20	13.60	34.290	*****	25.74	226	226	.0454
30	12.75	34.180	*****	30	12.75	34.180	*****	25.83	218	218	.0677
50	10.74	34.160	*****	50	10.74	34.160	*****	26.19	184	184	.1080
75	8.90	34.130	*****	75	8.90	34.130	*****	26.47	156	158	.1509
100	6.29	34.130	*****	100	6.29	34.130	*****	26.85	121	122	.1859

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	3.75	34.050	*****							125	3.75	34.050	*****	27.08	99	100	.2137
150	3.06	34.030	*****							150	3.06	34.030	*****	27.13	94	95	.2382
200	2.80	34.080	*****							200	2.80	34.080	*****	27.19	88	89	.2845
250	2.35	34.030	*****							250	2.35	34.030	*****	27.19	89	89	.3294
300	.95	34.040	*****							300	.95	34.040	*****	27.30	78	78	.3715
400	.69	34.060	*****							400	.69	34.060	*****	27.33	75	75	.4486
500	.54	34.060	*****							500	.54	34.060	*****	27.34	74	74	.5235

KOREA ,CHUN MA SAN , STATION 105-07 , 37-33.2. N, 130-00.0. E, DEC.17.1981, 15.10 KST, DEPTH 1480 , COLOR 3, TRANS. 19.5,

WAVE 2, SWELL 2, WIND N 2, BARO 1031. , AIR TEMP. DRY 7.8, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	16.45	34.350	*****							0	16.45	34.350	*****	25.16	281	281	.0000
10	16.50	34.350	*****							10	16.50	34.350	*****	25.15	282	282	.0282
20	16.43	34.400	*****							20	16.43	34.400	*****	25.21	277	277	.0562
30	16.40	34.380	*****							30	16.40	34.380	*****	25.20	278	278	.0840
50	16.29	34.420	*****							50	16.29	34.420	*****	25.25	272	273	.1393
75	16.00	34.400	*****							75	16.00	34.400	*****	25.31	267	269	.2072
100	12.45	34.370	*****							100	12.45	34.370	*****	26.03	198	200	.2661
125	7.05	34.240	*****							125	7.05	34.240	*****	26.83	122	124	.3067
150	5.60	34.080	*****							150	5.60	34.080	*****	26.90	116	118	.3370
200	3.85	34.030	*****							200	3.85	34.030	*****	27.05	102	103	.3924
250	1.45	34.010	*****							250	1.45	34.010	*****	27.24	84	84	.4393
300	1.20	34.070	*****							300	1.20	34.070	*****	27.31	77	78	.4800
400	1.14	34.060	*****							400	1.14	34.060	*****	27.30	78	78	.5583
500	1.05	34.040	*****							500	1.05	34.040	*****	27.29	79	79	.6374

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 105-08 , 37-33.2. N, 130-18.7. E, DEC.17,1981, 12.20 KST, DEPTH 1503 , COLOR 3, TRANS. 19.0,																	
WAVE 3, SWELL 2, WIND N 3, BARO 1031. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE ST, AMT 7, WEATHER BC,																	
0	15.08	34.310	*****							0	15.08	34.310	*****	25.44	254	254	.0000
10	15.74	34.350	*****							10	15.74	34.350	*****	25.33	265	265	.0260
20	15.65	34.370	*****							20	15.65	34.370	*****	25.36	262	262	.0525
30	15.14	34.390	*****							30	15.14	34.390	*****	25.49	250	250	.0782
50	15.12	34.380	*****							50	15.12	34.380	*****	25.49	250	251	.1284
75	14.43	34.380	*****							75	14.43	34.380	*****	25.64	236	238	.1897
100	14.10	34.370	*****							100	14.10	34.370	*****	25.70	230	232	.2485
125	12.95	34.280	*****							125	12.95	34.280	*****	25.86	214	217	.3048
150	10.70	34.150	*****							150	10.70	34.150	*****	26.19	184	187	.3554
200	7.94	34.230	*****							200	7.94	34.230	*****	26.70	135	138	.4368
250	5.40	34.180	*****							250	5.40	34.180	*****	27.00	106	109	.4989
300	3.08	34.090	*****							300	3.08	34.090	*****	27.17	90	92	.5493
400	1.70	34.040	*****							400	1.70	34.040	*****	27.25	83	84	.6375
500	1.08	34.110	*****							500	1.08	34.110	*****	27.35	74	74	.7170
KOREA ,CHUN MA SAN , STATION 105-09 , 37-33.2. N, 130-37.5. E, DEC.17,1981, 09.20 KST, DEPTH 1140 , COLOR , TRANS. . ,																	
WAVE 3, SWELL 2, WIND SE 3, BARO 1031. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,																	
0	14.94	34.360	*****							0	14.94	34.360	*****	25.51	248	248	.0000
10	15.95	34.370	*****							10	15.95	34.370	*****	25.29	269	269	.0259
20	16.10	34.350	*****							20	16.10	34.350	*****	25.24	273	274	.0530
30	15.95	34.370	*****							30	15.95	34.370	*****	25.29	269	269	.0802
50	15.80	34.390	*****							50	15.80	34.390	*****	25.34	264	265	.1337
75	15.73	34.410	*****							75	15.73	34.410	*****	25.37	261	263	.1998

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	13.90	34.360	*****							100	13.90	34.360	*****	25.73	227	229	.2614
125	9.65	34.200	*****							125	9.65	34.200	*****	26.41	163	165	.3108
150	8.14	34.240	*****							150	8.14	34.240	*****	26.68	137	139	.3489
200	7.84	34.230	*****							200	7.84	34.230	*****	26.71	134	137	.4182
250	6.73	34.170	*****							250	6.73	34.170	*****	26.82	123	127	.4843
300	3.25	34.040	*****							300	3.25	34.040	*****	27.12	95	97	.5404
400	2.54	******	*****							400	2.54	******	*****	*****	***	***	******
500	1.18	34.050	*****							500	1.18	34.050	*****	27.29	79	79	******

KOREA ,CHUN HA SAN , STATION 105-10 , 37-33.2. N, 130-55.9. E, DEC.11.1981, 04.00 KST, DEPTH 1800 , COLOR , TRANS. . .

WAVE , SWELL 2, WIND SE 4, BARO 1021. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER .

0	13.60	33.950	*****							0	13.60	33.950	*****	25.48	251	251	.0000
10	14.50	34.090	*****							10	14.50	34.090	*****	25.40	259	259	.0255
20	14.45	34.090	*****							20	14.45	34.090	*****	25.41	258	258	.0514
30	13.89	33.970	*****							30	13.89	33.970	*****	25.43	255	256	.0771
50	13.75	34.020	*****							50	13.75	34.020	*****	25.50	249	250	.1277
75	13.25	34.030	*****							75	13.25	34.030	*****	25.61	238	240	.1891
100	11.75	33.950	*****							100	11.75	33.950	*****	25.84	216	218	.2465
125	8.75	34.030	*****							125	8.75	34.030	*****	26.42	162	164	.2944
150	7.82	34.020	*****							150	7.82	34.020	*****	26.55	149	151	.3338
200	3.98	34.040	*****							200	3.98	34.040	*****	27.05	102	103	.3977
250	3.42	34.040	*****							250	3.42	34.040	*****	27.10	97	98	.4484
300	2.08	33.960	*****							300	2.08	33.960	*****	27.16	92	93	.4964
400	1.58	34.060	*****							400	1.58	34.060	*****	27.27	81	81	.5839
500	1.27	34.040	*****							500	1.27	34.040	*****	27.28	80	81	.6655

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
KOREA , CHUN MA SAN , STATION 105-11 , 37-33.2. N, 131-14.6. E, DEC.11.1981, 01.10 KST, DEPTH 2375 , COLOR , TRANS. . ,																	
WAVE , SWELL 2, WIND SE 4, BARO 1021. , AIR TEMP. DRY 6.3. WET . , CLOUD. TYPE , AMT 10, WEATHER C ,																	
0	13.98	34.000	*****							0	13.98	34.000	*****	25.44	255	254	.0000
10	13.95	34.020	*****							10	13.95	34.020	*****	25.46	253	253	.0254
20	14.15	33.990	*****							20	14.15	33.990	*****	25.40	259	259	.0510
30	14.00	33.970	*****							30	14.00	33.970	*****	25.41	257	258	.0769
50	13.08	33.830	*****							50	13.08	33.830	*****	25.49	250	251	.1279
75	12.35	33.890	*****							75	12.35	33.890	*****	25.68	232	233	.1885
100	9.60	33.870	*****							100	9.60	33.870	*****	26.16	186	188	.2413
125	6.66	34.070	*****							125	6.66	34.070	*****	26.75	130	131	.2813
150	6.10	34.020	*****							150	6.10	34.020	*****	26.79	127	128	.3139
200	4.02	34.050	*****							200	4.02	34.050	*****	27.05	102	103	.3720
250	2.50	34.030	*****							250	2.50	34.030	*****	27.18	90	91	.4207
300	1.15	34.030	*****							300	1.15	34.030	*****	27.28	80	80	.4637
400	1.05	34.020	*****							400	1.05	34.020	*****	27.28	80	80	.5445
500	1.00	34.020	*****							500	1.00	34.020	*****	27.28	80	80	.6254

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Oceanographic Data. Line 104

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,CHUN MA SAN , STATION 104-04 , 37-03.4. N, 129-28.8. E, FEB.15.1981, 15.50 KST, DEPTH 110 , COLOR 4, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NE 1, BARO 1011.5, AIR TEMP. DRY 6.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	5.87	******	*****							0	5.87	******	*****	*****	***	***	******
10	5.17	******	*****							10	5.17	******	*****	*****	***	***	******
20	5.13	******	*****							20	5.13	******	*****	*****	***	***	******
30	5.06	******	*****							30	5.06	******	*****	*****	***	***	******
50	4.89	******	*****							50	4.89	******	*****	*****	***	***	******
75	3.50	******	*****							75	3.50	******	*****	*****	***	***	******
100	2.72	******	*****							100	2.72	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-05 , 37-03.4. N, 129-33.6. E, FEB.15.1981, 17.20 KST, DEPTH 220 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 1, BARO 1011.5, AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	6.99	******	*****							0	6.99	******	*****	*****	***	***	******
10	6.95	******	*****							10	6.95	******	*****	*****	***	***	******
20	6.88	******	*****							20	6.88	******	*****	*****	***	***	******
30	6.82	******	*****							30	6.82	******	*****	*****	***	***	******
50	6.02	******	*****							50	6.02	******	*****	*****	***	***	******
75	4.76	******	*****							75	4.76	******	*****	*****	***	***	******
100	3.94	******	*****							100	3.94	******	*****	*****	***	***	******
125	3.75	******	*****							125	3.75	******	*****	*****	***	***	******
150	3.05	******	*****							150	3.05	******	*****	*****	***	***	******
200	2.98	******	*****							200	2.98	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 104-06 , 37-03.4. N, 129-47.6. E, FEB.15.1981, 19.20 KST, DEPTH 600 , COLOR , TRANS. , ,																	
WAVE 1, SWELL 1, WIND NE 2, BARO 1011.5, AIR TEMP. DRY 5.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	5.64	******	*****							0	5.64	******	*****	*****	***	***	******
10	5.32	******	*****							10	5.32	******	*****	*****	***	***	******
20	4.76	******	*****							20	4.76	******	*****	*****	***	***	******
30	4.72	******	*****							30	4.72	******	*****	*****	***	***	******
50	3.68	******	*****							50	3.68	******	*****	*****	***	***	******
75	3.00	******	*****							75	3.00	******	*****	*****	***	***	******
100	2.92	******	*****							100	2.92	******	*****	*****	***	***	******
125	2.64	******	*****							125	2.64	******	*****	*****	***	***	******
150	2.56	******	*****							150	2.56	******	*****	*****	***	***	******
200	2.25	******	*****							200	2.25	******	*****	*****	***	***	******
250	2.13	******	*****							250	2.13	******	*****	*****	***	***	******
300	1.52	******	*****							300	1.52	******	*****	*****	***	***	******
400	.67	******	*****							400	.67	******	*****	*****	***	***	******
500	.37	******	*****							500	.37	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 104-07 , 37-03.4. N, 130-00.0. E, FEB.15.1981, 21.30 KST, DEPTH 1050 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 1, WIND NE 2, BARO 1015. , AIR TEMP. DRY 5.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	8.39	******	*****							0	8.39	******	*****	*****	***	***	******
10	8.50	******	*****							10	8.50	******	*****	*****	***	***	******
20	8.52	******	*****							20	8.52	******	*****	*****	***	***	******
30	8.39	******	*****							30	8.39	******	*****	*****	***	***	******
50	7.23	******	*****							50	7.23	******	*****	*****	***	***	******
75	6.95	******	*****							75	6.95	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	6.63	******	*****							100	6.63	******	*****	*****	***	***	******
125	4.19	******	*****							125	4.19	******	*****	*****	***	***	******
150	2.84	******	*****							150	2.84	******	*****	*****	***	***	******
200	1.52	******	*****							200	1.52	******	*****	*****	***	***	******
250	.79	******	*****							250	.79	******	*****	*****	***	***	******
300	.45	******	*****							300	.45	******	*****	*****	***	***	******
400	.41	******	*****							400	.41	******	*****	*****	***	***	******
500	.41	******	*****							500	.41	******	*****	*****	***	***	******

KOREA ,CHUN HA SAN , STATION 104-08 , 37-03.4. N, 130-18.7. E, FEB.16.1981, 00.20 KST, DEPTH 720 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NE 3, BARO 1015. , AIR TEMP. DRY 5.0. WET . , CLOUD. TYPE , AMT 3, WEATHER BC,

0	8.85	******	*****							0	8.85	******	*****	*****	***	***	******
10	8.91	******	*****							10	8.91	******	*****	*****	***	***	******
20	8.82	******	*****							20	8.82	******	*****	*****	***	***	******
30	8.83	******	*****							30	8.83	******	*****	*****	***	***	******
50	8.61	******	*****							50	8.61	******	*****	*****	***	***	******
75	8.35	******	*****							75	8.35	******	*****	*****	***	***	******
100	8.25	******	*****							100	8.25	******	*****	*****	***	***	******
125	7.31	******	*****							125	7.31	******	*****	*****	***	***	******
150	6.14	******	*****							150	6.14	******	*****	*****	***	***	******
200	4.33	******	*****							200	4.33	******	*****	*****	***	***	******
250	1.97	******	*****							250	1.97	******	*****	*****	***	***	******
300	1.08	******	*****							300	1.08	******	*****	*****	***	***	******
400	.46	******	*****							400	.46	******	*****	*****	***	***	******
500	.31	******	*****							500	.31	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 104-09 , 37-03.4. N, 130-37.6. E, FEB.16.1981, 03.20 KST, DEPTH 2340 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NE 3, BARO 1016. , AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE , AMT 3, WEATHER BC,

0	8.96	******	*****							0	8.96	******	*****	*****	***	***	******
10	9.35	******	*****							10	9.35	******	*****	*****	***	***	******
20	9.37	******	*****							20	9.37	******	*****	*****	***	***	******
30	9.35	******	*****							30	9.35	******	*****	*****	***	***	******
50	9.23	******	*****							50	9.23	******	*****	*****	***	***	******
75	9.15	******	*****							75	9.15	******	*****	*****	***	***	******
100	9.02	******	*****							100	9.02	******	*****	*****	***	***	******
125	8.80	******	*****							125	8.80	******	*****	*****	***	***	******
150	8.01	******	*****							150	8.01	******	*****	*****	***	***	******
200	6.58	******	*****							200	6.58	******	*****	*****	***	***	******
250	4.00	******	*****							250	4.00	******	*****	*****	***	***	******
300	1.60	******	*****							300	1.60	******	*****	*****	***	***	******
400	.68	******	*****							400	.68	******	*****	*****	***	***	******
500	.40	******	*****							500	.40	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-10 , 37-03.4. N, 130-56.4. E, FEB.16.1981, 06.20 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NE 4, BARO 1018.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE ST, AMT 6, WEATHER BC,

0	8.76	******	*****							0	8.76	******	*****	*****	***	***	******
10	8.81	******	*****							10	8.81	******	*****	*****	***	***	******
20	8.87	******	*****							20	8.87	******	*****	*****	***	***	******
30	8.26	******	*****							30	8.26	******	*****	*****	***	***	******
50	8.19	******	*****							50	8.19	******	*****	*****	***	***	******
75	8.17	******	*****							75	8.17	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	8.00	******	*****							100	8.00	******	*****	*****	***	***	******
125	7.86	******	*****							125	7.86	******	*****	*****	***	***	******
150	6.92	******	*****							150	6.92	******	*****	*****	***	***	******
200	5.34	******	*****							200	5.34	******	*****	*****	***	***	******
250	3.10	******	*****							250	3.10	******	*****	*****	***	***	******
300	1.92	******	*****							300	1.92	******	*****	*****	***	***	******
400	.80	******	*****							400	.80	******	*****	*****	***	***	******
500	.43	******	*****							500	.43	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-11 , 37-03.4. N, 131-15.3. E, FEB.16.1981, 09.20 KST, DEPTH 2325 , COLOR , TRANS. . ,

WAVE 5, SWELL 2, WIND NE 5, BARO 1019. , AIR TEMP. DRY 5.9, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	8.84	******	*****							0	8.84	******	*****	*****	***	***	******
10	8.90	******	*****							10	8.90	******	*****	*****	***	***	******
20	8.83	******	*****							20	8.83	******	*****	*****	***	***	******
30	8.78	******	*****							30	8.78	******	*****	*****	***	***	******
50	8.59	******	*****							50	8.59	******	*****	*****	***	***	******
75	8.42	******	*****							75	8.42	******	*****	*****	***	***	******
100	8.21	******	*****							100	8.21	******	*****	*****	***	***	******
125	8.20	******	*****							125	8.20	******	*****	*****	***	***	******
150	8.14	******	*****							150	8.14	******	*****	*****	***	***	******
200	5.90	******	*****							200	5.90	******	*****	*****	***	***	******
250	3.56	******	*****							250	3.56	******	*****	*****	***	***	******
300	1.87	******	*****							300	1.87	******	*****	*****	***	***	******
400	.79	******	*****							400	.79	******	*****	*****	***	***	******
500	.72	******	*****							500	.72	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,CHUN MA SAN , STATION 104-04 , 37-03.4. N, 129-28.8. E, APR.11.1981, 09.00 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1007. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE , AMT 2, WEATHER B ,

0	9.24	34.240	*****	0	9.24	34.240	*****	26.51	153	153	.0000
10	8.86	34.180	*****	10	8.86	34.180	*****	26.52	152	152	.0153
20	8.84	34.130	*****	20	8.84	34.130	*****	26.48	156	156	.0307
30	7.39	34.130	*****	30	7.39	34.130	*****	26.70	135	135	.0453
50	5.73	34.050	*****	50	5.73	34.050	*****	26.86	120	120	.0710
75	4.46	34.040	*****	75	4.46	34.040	*****	27.00	107	107	.0995
100	2.40	34.020	*****	100	2.40	34.020	*****	27.18	90	90	.1243

KOREA ,CHUN MA SAN , STATION 104-05 , 37-03.4. N, 129-33.6. E, APR.11.1981, 10.10 KST, DEPTH 220 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 2, BARO 1007. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE , AMT 2, WEATHER B ,

0	9.77	34.330	*****	0	9.77	34.330	*****	26.49	155	155	.0000
10	8.38	34.270	*****	10	8.38	34.270	*****	26.66	138	138	.0147
20	8.43	34.240	*****	20	8.43	34.240	*****	26.63	141	141	.0287
30	8.15	34.180	*****	30	8.15	34.180	*****	26.63	142	142	.0429
50	8.23	34.150	*****	50	8.23	34.150	*****	26.59	145	146	.0718
75	7.42	34.110	*****	75	7.42	34.110	*****	26.68	137	138	.1073
100	7.12	34.080	*****	100	7.12	34.080	*****	26.70	135	136	.1417
125	5.88	34.070	*****	125	5.88	34.070	*****	26.85	120	122	.1741
150	4.56	34.040	*****	150	4.56	34.040	*****	26.99	108	109	.2030
200	2.69	34.000	*****	200	2.69	34.000	*****	27.14	93	94	.2541

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 104-06 , 37-03.4. N, 129-47.6. E, APR.11.1981, 12.30 KST, DEPTH 600 , COLOR , TRANS. . .																	
WAVE 2, SWELL 2, WIND SE 3, BARO 1006. , AIR TEMP. DRY 14.2, WET . , CLOUD. TYPE , AMT 3, WEATHER BC,																	
0	10.49	34.270	*****							0	10.49	34.270	*****	26.32	171	171	.0000
10	9.49	34.220	*****							10	9.49	34.220	*****	26.45	159	159	.0165
20	9.51	34.240	*****							20	9.51	34.240	*****	26.46	158	158	.0324
30	8.58	34.180	*****							30	8.58	34.180	*****	26.56	148	148	.0477
50	8.21	34.200	*****							50	8.21	34.200	*****	26.64	141	142	.0768
75	7.70	34.130	*****							75	7.70	34.130	*****	26.66	139	140	.1122
100	6.97	34.070	*****							100	6.97	34.070	*****	26.71	134	135	.1467
125	6.34	34.040	*****							125	6.34	34.040	*****	26.77	128	129	.1799
150	6.35	34.040	*****							150	6.35	34.040	*****	26.77	128	130	.2124
200	5.41	34.000	*****							200	5.41	34.000	*****	26.86	120	122	.2756
250	3.22	34.040	*****							250	3.22	34.040	*****	27.12	95	96	.3305
300	3.19	34.040	*****							300	3.19	34.040	*****	27.12	95	96	.3789
400	.83	34.000	*****							400	.83	34.000	*****	27.27	80	80	.4678
500	.34	33.960	*****							500	.34	33.960	*****	27.27	81	80	.5487
KOREA ,CHUN MA SAN , STATION 104-07 , 37-03.4. N, 130-00.0. E, APR.11.1981, 14.50 KST, DEPTH 1050 , COLOR , TRANS. . .																	
WAVE , SWELL , WIND SW 3, BARO 1006. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	9.28	34.330	*****							0	9.28	34.330	*****	26.57	147	147	.0000
10	9.27	34.270	*****							10	9.27	34.270	*****	26.52	152	152	.0150
20	8.94	34.250	*****							20	8.94	34.250	*****	26.56	148	148	.0300
30	8.20	34.250	*****							30	8.20	34.250	*****	26.68	137	137	.0444
50	7.56	34.200	*****							50	7.56	34.200	*****	26.76	129	130	.0712
75	7.04	34.180	*****							75	7.04	34.180	*****	26.79	127	127	.1034

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	7.04	34.150	*****							100	7.04	34.150	*****	26.77	129	130	.1357
125	6.21	34.090	*****							125	6.21	34.090	*****	26.83	123	124	.1676
150	2.89	34.050	*****							150	2.89	34.050	*****	27.16	91	92	.1947
200	2.11	34.040	*****							200	2.11	34.040	*****	27.22	86	86	.2396
250	2.14	34.020	*****							250	2.14	34.020	*****	27.20	88	88	.2836
300	1.66	34.020	*****							300	1.66	34.020	*****	27.23	84	85	.3271
400	1.43	34.020	*****							400	1.43	34.020	*****	27.25	83	83	.4116
500	.57	34.020	*****							500	.57	34.020	*****	27.31	77	77	.4924

KOREA ,CHUN MA SAN , STATION 104-08 , 37-03.4, N, 130-18.7, E, APR.11.1981, 18.00 KST, DEPTH 720 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND SW 4, BARO 1005.5, AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE ST, AMT 4, WEATHER BC,

0	9.62	34.310	*****							0	9.62	34.310	*****	26.50	154	154	.0000
10	9.53	34.180	*****							10	9.53	34.180	*****	26.41	162	162	.0159
20	9.22	34.250	*****							20	9.22	34.250	*****	26.52	152	152	.0316
30	8.38	34.180	*****							30	8.38	34.180	*****	26.59	145	145	.0466
50	7.94	34.180	*****							50	7.94	34.180	*****	26.66	139	139	.0751
75	7.44	34.180	*****							75	7.44	34.180	*****	26.73	132	133	.1093
100	7.25	34.150	*****							100	7.25	34.150	*****	26.74	132	133	.1426
125	6.29	34.110	*****							125	6.29	34.110	*****	26.83	122	124	.1747
150	5.21	34.070	*****							150	5.21	34.070	*****	26.94	113	114	.2046
200	4.63	33.960	*****							200	4.63	33.960	*****	26.91	115	116	.2624
250	3.68	33.960	*****							250	3.68	33.960	*****	27.01	105	107	.3184
300	2.01	34.020	*****							300	2.01	34.020	*****	27.21	87	88	.3672
400	1.66	33.960	*****							400	1.66	33.960	*****	27.19	89	90	.4563
500	.83	33.950	*****							500	.83	33.950	*****	27.23	84	84	.5437

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 104-09 , 37-03.4. N, 130-37.6. E, APR.11.1981, 21.00 KST, DEPTH 2340 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND SE 6, BARO 1005.5, AIR TEMP. DRY 10.6. WET , , CLOUD. TYPE ST, AMT 6, WEATHER BC,																	
0	9.32	34.360	*****							0	9.32	34.360	*****	26.59	146	145	.0000
10	9.50	34.330	*****							10	9.50	34.330	*****	26.53	151	151	.0149
20	9.12	34.290	*****							20	9.12	34.290	*****	26.56	148	148	.0298
30	8.77	34.220	*****							30	8.77	34.220	*****	26.56	148	148	.0447
50	7.91	34.200	*****							50	7.91	34.200	*****	26.68	137	137	.0733
75	7.63	34.180	*****							75	7.63	34.180	*****	26.71	134	135	.1076
100	7.35	34.180	*****							100	7.35	34.180	*****	26.75	131	132	.1411
125	6.92	34.130	*****							125	6.92	34.130	*****	26.77	129	130	.1740
150	6.23	34.150	*****							150	6.23	34.150	*****	26.87	118	120	.2054
200	4.03	34.110	*****							200	4.03	34.110	*****	27.10	97	99	.2604
250	1.42	34.070	*****							250	1.42	34.070	*****	27.29	79	79	.3051
300	1.23	34.050	*****							300	1.23	34.050	*****	27.29	79	79	.3449
400	.85	34.040	*****							400	.85	34.040	*****	27.31	78	78	.4239
500	.62	33.960	*****							500	.62	33.960	*****	27.25	82	82	.5042
KOREA ,CHUN MA SAN , STATION 104-10 , 37-03.4. N, 130-56.4. E, APR.12.1981, 00.00 KST, DEPTH 1800 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 2, WIND E 4, BARO 1007.5, AIR TEMP. DRY 10.4, WET , , CLOUD. TYPE , AMT , WEATHER C ,																	
0	9.79	34.330	*****							0	9.79	34.330	*****	26.48	155	155	.0000
10	9.70	34.380	*****							10	9.70	34.380	*****	26.54	150	150	.0153
20	9.13	34.340	*****							20	9.13	34.340	*****	26.60	144	144	.0301
30	8.00	34.310	*****							30	8.00	34.310	*****	26.75	130	130	.0439
50	7.80	34.200	*****							50	7.80	34.200	*****	26.70	135	136	.0706
75	7.80	34.180	*****							75	7.80	34.180	*****	26.69	137	138	.1049

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P-	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	5.58	34.150	*****							100	5.32	34.150	*****	26.98	108	109	.1359
125	4.21	34.130	*****							125	4.21	34.130	*****	27.09	97	98	.1620
150	4.05	34.110	*****							150	4.05	34.110	*****	27.10	97	98	.1867
200	3.82	34.110	*****							200	3.82	34.110	*****	27.12	95	97	.2357
250	1.29	34.020	*****							250	1.29	34.020	*****	27.26	82	82	.2806
300	.83	34.020	*****							300	.83	34.020	*****	27.29	79	79	.3210
400	.55	34.010	*****							400	.55	34.010	*****	27.30	78	78	.3998
500	.28	34.000	*****							500	.28	34.000	*****	27.31	77	77	.4776

KOREA ,CHUN MA SAN , STATION 104-11 , 37-03.4. N, 131-15.3. E, APR.12.1981, 03.00 KST, DEPTH 2325 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND NE 5, BARO 1007. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	9.20	34.360	*****							0	9.20	34.360	*****	26.61	144	144	.0000
10	9.16	34.340	*****							10	9.16	34.340	*****	26.60	145	145	.0145
20	8.20	34.220	*****							20	8.20	34.220	*****	26.65	139	140	.0287
30	8.10	34.160	*****							30	8.10	34.160	*****	26.62	142	143	.0429
50	7.76	34.220	*****							50	7.76	34.220	*****	26.72	133	134	.0706
75	6.53	34.160	*****							75	6.53	34.160	*****	26.84	121	122	.1028
100	5.58	34.130	*****							100	5.58	34.130	*****	26.94	112	113	.1323
125	5.35	34.130	*****							125	5.35	34.130	*****	26.97	110	111	.1604
150	4.15	34.110	*****							150	4.15	34.110	*****	27.09	98	99	.1868
200	2.97	34.090	*****							200	2.97	34.090	*****	27.18	89	90	.2344
250	1.31	34.040	*****							250	1.31	34.040	*****	27.28	80	81	.2773
300	.96	34.000	*****							300	.96	34.000	*****	27.27	81	81	.3180
400	.60	34.000	*****							400	.60	34.000	*****	27.29	79	79	.3986
500	.34	33.980	*****							500	.34	33.980	*****	27.29	79	79	.4779

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

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KOREA ,CHUN MA SAN , STATION 104-04 , 37-03.4. N, 129-28.8. E, JUN.13.1981, 05.50 KST, DEPTH 110 , COLOR 3, TRANS. 16.5,
WAVE 1, SWELL 1, WIND S 1, BARO 1003.5, AIR TEMP. DRY 14.6, WET . , CLOUD. TYPE CU, AMT 10, WEATHER F ,

0	13.53	******	*****							0	13.53	******	*****	*****	***	***	******
10	9.92	******	*****							10	9.92	******	*****	*****	***	***	******
20	5.42	******	*****							20	5.42	******	*****	*****	***	***	******
30	3.14	******	*****							30	3.14	******	*****	*****	***	***	******
50	2.03	******	*****							50	2.03	******	*****	*****	***	***	******
75	1.43	******	*****							75	1.43	******	*****	*****	***	***	******
100	1.20	******	*****							100	1.20	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-05 , 37-03.4. N, 129-33.6. E, JUN.13.1981, 07.10 KST, DEPTH 220 , COLOR 3, TRANS. 18.0,
WAVE 1, SWELL 1, WIND S 1, BARO 1004. , AIR TEMP. DRY 15.7, WET . , CLOUD. TYPE CI, AMT 8, WEATHER C ,

0	13.20	******	*****							0	13.20	******	*****	*****	***	***	******
10	12.69	******	*****							10	12.69	******	*****	*****	***	***	******
20	12.32	******	*****							20	12.32	******	*****	*****	***	***	******
30	11.60	******	*****							30	11.60	******	*****	*****	***	***	******
50	4.15	******	*****							50	4.15	******	*****	*****	***	***	******
75	1.63	******	*****							75	1.63	******	*****	*****	***	***	******
100	1.32	******	*****							100	1.32	******	*****	*****	***	***	******
125	1.21	******	*****							125	1.21	******	*****	*****	***	***	******
150	1.08	******	*****							150	1.08	******	*****	*****	***	***	******
200	1.02	******	*****							200	1.02	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 104-06 , 37-03.4. N, 129-47.6. E, JUN.13.1981, 09.20 KST, DEPTH 600 , COLOR 3, TRANS. 18.5,

WAVE , SWELL , WIND S 1, BARO 1004. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	16.82	******	*****							0	16.82	******	*****	*****	***	***	******
10	14.21	******	*****							10	14.21	******	*****	*****	***	***	******
20	11.39	******	*****							20	11.39	******	*****	*****	***	***	******
30	6.49	******	*****							30	6.49	******	*****	*****	***	***	******
50	3.30	******	*****							50	3.30	******	*****	*****	***	***	******
75	1.98	******	*****							75	1.98	******	*****	*****	***	***	******
100	1.89	******	*****							100	1.89	******	*****	*****	***	***	******
125	1.73	******	*****							125	1.73	******	*****	*****	***	***	******
150	1.55	******	*****							150	1.55	******	*****	*****	***	***	******
200	1.48	******	*****							200	1.48	******	*****	*****	***	***	******
250	1.18	******	*****							250	1.18	******	*****	*****	***	***	******
300	1.10	******	*****							300	1.10	******	*****	*****	***	***	******
400	1.09	******	*****							400	1.09	******	*****	*****	***	***	******
500	.89	******	*****							500	.89	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-07 , 37-03.4. N, 130-00.0. E, JUN.13.1981, 11.40 KST, DEPTH 1050 , COLOR 2, TRANS. 19.0,

WAVE 1, SWELL 1, WIND SW 1, BARO 1003. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	16.63	******	*****							0	16.63	******	*****	*****	***	***	******
10	13.42	******	*****							10	13.42	******	*****	*****	***	***	******
20	11.87	******	*****							20	11.87	******	*****	*****	***	***	******
30	10.99	******	*****							30	10.99	******	*****	*****	***	***	******
50	8.78	******	*****							50	8.78	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	7.37	******	*****							75	7.37	******	*****	*****	***	***	******
100	7.36	******	*****							100	7.36	******	*****	*****	***	***	******
125	6.45	******	*****							125	6.45	******	*****	*****	***	***	******
150	3.45	******	*****							150	3.45	******	*****	*****	***	***	******
200	2.44	******	*****							200	2.44	******	*****	*****	***	***	******
250	1.33	******	*****							250	1.33	******	*****	*****	***	***	******
300	1.20	******	*****							300	1.20	******	*****	*****	***	***	******
400	.85	******	*****							400	.85	******	*****	*****	***	***	******
500	.83	******	*****							500	.83	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-08 , 37-03.4. N, 130-18.7. E, JUN.13.1981, 14.40 KST, DEPTH 720 , COLOR 2, TRANS. 19.5,

WAVE 1, SWELL 1, WIND SE 1, BARO 1002.5, AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE C1, AMT 5, WEATHER BC,

0	17.15	******	*****	*****	***	***	******
10	13.50	******	*****	*****	***	***	******
20	12.73	******	*****	*****	***	***	******
30	10.35	******	*****	*****	***	***	******
50	9.35	******	*****	*****	***	***	******
75	8.43	******	*****	*****	***	***	******
100	8.13	******	*****	*****	***	***	******
125	8.10	******	*****	*****	***	***	******
150	7.35	******	*****	*****	***	***	******
200	5.94	******	*****	*****	***	***	******
250	3.35	******	*****	*****	***	***	******
300	2.36	******	*****	*****	***	***	******
400	1.45	******	*****	*****	***	***	******
500	.94	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 104-09 , 37-03.4. N, 130-37.6. E, JUN.13.1981, 17.30 KST, DEPTH 2340 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 1, BARO 1002.5, AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE ST, AMT 4, WEATHER BC,

0	16.50	******	*****							0	16.50	******	*****	*****	***	***	******
10	12.95	******	*****							10	12.95	******	*****	*****	***	***	******
20	12.23	******	*****							20	12.23	******	*****	*****	***	***	******
30	10.24	******	*****							30	10.24	******	*****	*****	***	***	******
50	9.30	******	*****							50	9.30	******	*****	*****	***	***	******
75	7.95	******	*****							75	7.95	******	*****	*****	***	***	******
100	7.90	******	*****							100	7.90	******	*****	*****	***	***	******
125	7.90	******	*****							125	7.90	******	*****	*****	***	***	******
150	7.85	******	*****							150	7.85	******	*****	*****	***	***	******
200	7.66	******	*****							200	7.66	******	*****	*****	***	***	******
250	6.82	******	*****							250	6.82	******	*****	*****	***	***	******
300	5.10	******	*****							300	5.10	******	*****	*****	***	***	******
400	1.96	******	*****							400	1.96	******	*****	*****	***	***	******
500	1.35	******	*****							500	1.35	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-10 , 37-03.4. N, 130-56.4. E, JUN.13.1981, 20.30 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 1, BARO 1002.5, AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE , AMT 6, WEATHER BC,

0	17.25	******	*****							0	17.25	******	*****	*****	***	***	******
10	14.24	******	*****							10	14.24	******	*****	*****	***	***	******
20	12.27	******	*****							20	12.27	******	*****	*****	***	***	******
30	10.85	******	*****							30	10.85	******	*****	*****	***	***	******
50	8.70	******	*****							50	8.70	******	*****	*****	***	***	******
75	8.11	******	*****							75	8.11	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	8.00	******	*****							100	8.00	******	*****	*****	***	***	******
125	7.95	******	*****							125	7.95	******	*****	*****	***	***	******
150	7.92	******	*****							150	7.92	******	*****	*****	***	***	******
200	7.06	******	*****							200	7.06	******	*****	*****	***	***	******
250	6.20	******	*****							250	6.20	******	*****	*****	***	***	******
300	4.39	******	*****							300	4.39	******	*****	*****	***	***	******
400	2.00	******	*****							400	2.00	******	*****	*****	***	***	******
500	1.75	******	*****							500	1.75	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-11 , 37-03.4. N, 131-15.3. E, JUN.13.1981, 23.30 KST, DEPTH 2325 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 1, BARO 1002.5, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	16.36	******	*****	0	16.36	******	*****	*****	***	***	******
10	13.40	******	*****	10	13.40	******	*****	*****	***	***	******
20	12.33	******	*****	20	12.33	******	*****	*****	***	***	******
30	10.62	******	*****	30	10.62	******	*****	*****	***	***	******
50	8.30	******	*****	50	8.30	******	*****	*****	***	***	******
75	8.12	******	*****	75	8.12	******	*****	*****	***	***	******
100	8.06	******	*****	100	8.06	******	*****	*****	***	***	******
125	7.92	******	*****	125	7.92	******	*****	*****	***	***	******
150	7.86	******	*****	150	7.86	******	*****	*****	***	***	******
200	7.82	******	*****	200	7.82	******	*****	*****	***	***	******
250	7.40	******	*****	250	7.40	******	*****	*****	***	***	******
300	6.20	******	*****	300	6.20	******	*****	*****	***	***	******
400	2.49	******	*****	400	2.49	******	*****	*****	***	***	******
500	1.75	******	*****	500	1.75	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

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KOREA ,CHUN MA SAN , STATION 104-04 , 37-03.4. N, 129-28.8. E, AUG. 8,1981, 05.20 KST, DEPTH 110 , COLOR 3, TRANS. 17.0,

WAVE , SWELL , WIND , BARO 997. , AIR TEMP. DRY 23.6. WET . , CLOUD. TYPE CU, AMT 1, WEATHER B ,

0	20.16	******	*****							0	20.16	******	*****	*****	***	***	******
10	17.39	******	*****							10	17.39	******	*****	*****	***	***	******
20	11.82	******	*****							20	11.82	******	*****	*****	***	***	******
30	9.04	******	*****							30	9.04	******	*****	*****	***	***	******
50	7.02	******	*****							50	7.02	******	*****	*****	***	***	******
75	5.48	******	*****							75	5.48	******	*****	*****	***	***	******
100	3.22	******	*****							100	3.22	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-05 , 37-03.4. N, 129-33.6. E, AUG. 8,1981, 06.30 KST, DEPTH 220 , COLOR 4, TRANS. 17.5,

WAVE 1, SWELL 1, WIND S 1, BARO 997. , AIR TEMP. DRY 25.1. WET . , CLOUD. TYPE CU, AMT 1, WEATHER B ,

0	19.61	******	*****							0	19.61	******	*****	*****	***	***	******
10	13.81	******	*****							10	13.81	******	*****	*****	***	***	******
20	11.50	******	*****							20	11.50	******	*****	*****	***	***	******
30	7.32	******	*****							30	7.32	******	*****	*****	***	***	******
50	7.12	******	*****							50	7.12	******	*****	*****	***	***	******
75	5.81	******	*****							75	5.81	******	*****	*****	***	***	******
100	5.30	******	*****							100	5.30	******	*****	*****	***	***	******
125	4.12	******	*****							125	4.12	******	*****	*****	***	***	******
150	1.49	******	*****							150	1.49	******	*****	*****	***	***	******
200	1.44	******	*****							200	1.44	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 104-06 , 37-03.4. N, 129-47.6. E, AUG. 8.1981, 08.50 KST, DEPTH 600 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 997. , AIR TEMP. DRY 26.3. WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.62	******	*****							0	21.62	******	*****	*****	***	***	******
10	21.59	******	*****							10	21.59	******	*****	*****	***	***	******
20	14.54	******	*****							20	14.54	******	*****	*****	***	***	******
30	11.55	******	*****							30	11.55	******	*****	*****	***	***	******
50	28.50	******	*****							50	28.50	******	*****	*****	***	***	******
75	7.13	******	*****							75	7.13	******	*****	*****	***	***	******
100	4.75	******	*****							100	4.75	******	*****	*****	***	***	******
125	3.39	******	*****							125	3.39	******	*****	*****	***	***	******
150	2.40	******	*****							150	2.40	******	*****	*****	***	***	******
200	1.82	******	*****							200	1.82	******	*****	*****	***	***	******
250	1.60	******	*****							250	1.60	******	*****	*****	***	***	******
300	1.41	******	*****							300	1.41	******	*****	*****	***	***	******
400	1.10	******	*****							400	1.10	******	*****	*****	***	***	******
500	1.05	******	*****							500	1.05	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-07 , 37-03.4. N, 130-00.0. E, AUG. 8.1981, 11.00 KST, DEPTH 1050 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND S 2, BARO 997. , AIR TEMP. DRY 26.5. WET . , CLOUD. TYPE CU, AMT 1, WEATHER B ,

0	22.12	******	*****							0	22.12	******	*****	*****	***	***	******
10	21.31	******	*****							10	21.31	******	*****	*****	***	***	******
20	17.13	******	*****							20	17.13	******	*****	*****	***	***	******
30	14.63	******	*****							30	14.63	******	*****	*****	***	***	******
50	13.31	******	*****							50	13.31	******	*****	*****	***	***	******
75	7.83	******	*****							75	7.83	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	7.11	******	*****							100	7.11	******	*****	*****	***	***	******
125	7.09	******	*****							125	7.09	******	*****	*****	***	***	******
150	6.21	******	*****							150	6.21	******	*****	*****	***	***	******
200	3.95	******	*****							200	3.95	******	*****	*****	***	***	******
250	2.30	******	*****							250	2.30	******	*****	*****	***	***	******
300	2.19	******	*****							300	2.19	******	*****	*****	***	***	******
400	1.45	******	*****							400	1.45	******	*****	*****	***	***	******
500	1.06	******	*****							500	1.06	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-08 , 37-03.4. N, 130-18.7. E, AUG. 8.1981, 14.00 KST, DEPTH 720 , COLOR 4, TRANS. 18.5,

WAVE 1, SWELL 1, WIND S 1, BARO 997. , AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	23.38	******	*****							0	23.38	******	*****	*****	***	***	******
10	22.22	******	*****							10	22.22	******	*****	*****	***	***	******
20	13.14	******	*****							20	13.14	******	*****	*****	***	***	******
30	9.73	******	*****							30	9.73	******	*****	*****	***	***	******
50	9.10	******	*****							50	9.10	******	*****	*****	***	***	******
75	8.14	******	*****							75	8.14	******	*****	*****	***	***	******
100	8.05	******	*****							100	8.05	******	*****	*****	***	***	******
125	7.87	******	*****							125	7.87	******	*****	*****	***	***	******
150	7.82	******	*****							150	7.82	******	*****	*****	***	***	******
200	7.04	******	*****							200	7.04	******	*****	*****	***	***	******
250	6.93	******	*****							250	6.93	******	*****	*****	***	***	******
300	3.87	******	*****							300	3.87	******	*****	*****	***	***	******
400	2.40	******	*****							400	2.40	******	*****	*****	***	***	******
500	1.35	******	*****							500	1.35	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 104-09 , 37-03.4. N, 130-37.6. E, AUG. 8.1981, 17.00 KST, DEPTH 2340 , COLOR 4, TRANS. 18.4,

WAVE 1, SWELL 2, WIND S 2, BARO 996.5, AIR TEMP. DRY 24.1, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	23.59	******	*****							0	23.59	******	*****	*****	***	***	******
10	19.35	******	*****							10	19.35	******	*****	*****	***	***	******
20	11.48	******	*****							20	11.48	******	*****	*****	***	***	******
30	9.21	******	*****							30	9.21	******	*****	*****	***	***	******
50	8.14	******	*****							50	8.14	******	*****	*****	***	***	******
75	8.10	******	*****							75	8.10	******	*****	*****	***	***	******
100	8.00	******	*****							100	8.00	******	*****	*****	***	***	******
125	7.96	******	*****							125	7.96	******	*****	*****	***	***	******
150	7.74	******	*****							150	7.74	******	*****	*****	***	***	******
200	7.59	******	*****							200	7.59	******	*****	*****	***	***	******
250	6.90	******	*****							250	6.90	******	*****	*****	***	***	******
300	4.29	******	*****							300	4.29	******	*****	*****	***	***	******
400	1.67	******	*****							400	1.67	******	*****	*****	***	***	******
500	1.35	******	*****							500	1.35	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-10 , 37-03.4. N, 130-56.4. E, AUG. 8.1981, 20.00 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 2, BARO 997. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT 4, WEATHER BC,

0	22.35	******	*****							0	22.35	******	*****	*****	***	***	******
10	18.96	******	*****							10	18.96	******	*****	*****	***	***	******
20	14.74	******	*****							20	14.74	******	*****	*****	***	***	******
30	11.20	******	*****							30	11.20	******	*****	*****	***	***	******
50	7.85	******	*****							50	7.85	******	*****	*****	***	***	******
75	5.08	******	*****							75	5.08	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	4.91	******	*****							100	4.91	******	*****	*****	***	***	******
125	2.71	******	*****							125	2.71	******	*****	*****	***	***	******
150	1.94	******	*****							150	1.94	******	*****	*****	***	***	******
200	1.49	******	*****							200	1.49	******	*****	*****	***	***	******
250	1.35	******	*****							250	1.35	******	*****	*****	***	***	******
300	.91	******	*****							300	.91	******	*****	*****	***	***	******
400	.61	******	*****							400	.61	******	*****	*****	***	***	******
500	.47	******	*****							500	.47	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-11 , 37-03.4. N, 131-15.3. E, AUG. 8.1981, 23.10 KST, DEPTH 2325 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND S 3, BARO 996.5, AIR TEMP. DRY 22.2. WET . , CLOUD. TYPE , AMT 4, WEATHER BC,

0	22.09	******	*****							0	22.09	******	*****	*****	***	***	******
10	19.97	******	*****							10	19.97	******	*****	*****	***	***	******
20	12.55	******	*****							20	12.55	******	*****	*****	***	***	******
30	9.38	******	*****							30	9.38	******	*****	*****	***	***	******
50	8.25	******	*****							50	8.25	******	*****	*****	***	***	******
75	7.41	******	*****							75	7.41	******	*****	*****	***	***	******
100	5.27	******	*****							100	5.27	******	*****	*****	***	***	******
125	3.75	******	*****							125	3.75	******	*****	*****	***	***	******
150	2.67	******	*****							150	2.67	******	*****	*****	***	***	******
200	2.49	******	*****							200	2.49	******	*****	*****	***	***	******
250	1.05	******	*****							250	1.05	******	*****	*****	***	***	******
300	.94	******	*****							300	.94	******	*****	*****	***	***	******
400	.52	******	*****							400	.52	******	*****	*****	***	***	******
500	.48	******	*****							500	.48	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월(October)

KOREA ,CHUN MA SAN , STATION 104-04 , 37-03.4. N, 129-28.8. E, OCT.12,1981, 12.10 KST, DEPTH 110 , COLOR 3, TRANS. 20.0,

WAVE 1, SWELL 1, WIND W 1, BARO 1019. , AIR TEMP. DRY 19.5. WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	17.89	******	*****							0	17.89	******	*****	*****	***	***	******
10	17.87	******	*****							10	17.87	******	*****	*****	***	***	******
20	17.85	******	*****							20	17.85	******	*****	*****	***	***	******
30	15.20	******	*****							30	15.20	******	*****	*****	***	***	******
50	7.76	******	*****							50	7.76	******	*****	*****	***	***	******
75	6.40	******	*****							75	6.40	******	*****	*****	***	***	******
105	2.41	******	*****							100	3.07	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-05 , 37-03.4. N, 129-33.6. E, OCT.12,1981, 11.10 KST, DEPTH 220 , COLOR 3, TRANS. 21.0,

WAVE 1, SWELL 1, WIND W 1, BARO 1018. , AIR TEMP. DRY 19.0. WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	17.90	******	*****							0	17.90	******	*****	*****	***	***	******
10	17.45	******	*****							10	17.45	******	*****	*****	***	***	******
20	17.41	******	*****							20	17.41	******	*****	*****	***	***	******
30	16.21	******	*****							30	16.21	******	*****	*****	***	***	******
50	8.56	******	*****							50	8.56	******	*****	*****	***	***	******
75	6.39	******	*****							75	6.39	******	*****	*****	***	***	******
100	4.14	******	*****							100	4.14	******	*****	*****	***	***	******
125	2.77	******	*****							125	2.77	******	*****	*****	***	***	******
150	1.88	******	*****							150	1.88	******	*****	*****	***	***	******
210	1.61	******	*****							200	1.66	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2 N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 104-06 , 37-03.4. N, 129-47.6. E, OCT.12.1981, 09.00 KST, DEPTH 600 , COLOR 3, TRANS. 20.0,

WAVE 2, SWELL 1, WIND W 2, BARO 1018. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	18.98	******	*****							0	18.98	******	*****	*****	***	***	******
10	18.81	******	*****							10	18.81	******	*****	*****	***	***	******
20	18.14	******	*****							20	18.14	******	*****	*****	***	***	******
30	16.47	******	*****							30	16.47	******	*****	*****	***	***	******
50	9.85	******	*****							50	9.85	******	*****	*****	***	***	******
75	6.01	******	*****							75	6.01	******	*****	*****	***	***	******
100	4.84	******	*****							100	4.84	******	*****	*****	***	***	******
125	2.50	******	*****							125	2.50	******	*****	*****	***	***	******
150	1.99	******	*****							150	1.99	******	*****	*****	***	***	******
200	1.81	******	*****							200	1.81	******	*****	*****	***	***	******
250	1.37	******	*****							250	1.37	******	*****	*****	***	***	******
300	1.14	******	*****							300	1.14	******	*****	*****	***	***	******
400	1.00	******	*****							400	1.00	******	*****	*****	***	***	******
500	.85	******	*****							500	.85	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-07 , 37-03.4. N, 130-00.0. E, OCT.12.1981, 07.00 KST, DEPTH 1050 , COLOR 4, TRANS. 18.5,

WAVE 1, SWELL 1, WIND SW 2, BARO 1008. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	18.45	******	*****							0	18.45	******	*****	*****	***	***	******
10	17.65	******	*****							10	17.65	******	*****	*****	***	***	******
20	17.01	******	*****							20	17.01	******	*****	*****	***	***	******
30	15.06	******	*****							30	15.06	******	*****	*****	***	***	******
50	13.09	******	*****							50	13.09	******	*****	*****	***	***	******
75	9.08	******	*****							75	9.08	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	6.24	******	*****							100	6.24	******	*****	*****	***	***	******
125	4.10	******	*****							125	4.10	******	*****	*****	***	***	******
150	3.04	******	*****							150	3.04	******	*****	*****	***	***	******
200	1.99	******	*****							200	1.99	******	*****	*****	***	***	******
250	1.41	******	*****							250	1.41	******	*****	*****	***	***	******
300	1.11	******	*****							300	1.11	******	*****	*****	***	***	******
400	.60	******	*****							400	.60	******	*****	*****	***	***	******
500	.57	******	*****							500	.57	******	*****	*****	***	***	******

KOREA ,CHUN HA SAN , STATION 104-08 , 37-03.4. N, 130-18.7. E, OCT.12.1981, 04.20 KST, DEPTH 720 , COLOR , TRANS. . ,

WAVE 1, SWELL 2, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT 5, WEATHER BC,

0	17.73	******	*****							0	17.73	******	*****	*****	***	***	******
10	17.72	******	*****							10	17.72	******	*****	*****	***	***	******
20	17.70	******	*****							20	17.70	******	*****	*****	***	***	******
30	15.20	******	*****							30	15.20	******	*****	*****	***	***	******
50	10.80	******	*****							50	10.80	******	*****	*****	***	***	******
75	8.10	******	*****							75	8.10	******	*****	*****	***	***	******
100	7.60	******	*****							100	7.60	******	*****	*****	***	***	******
125	7.45	******	*****							125	7.45	******	*****	*****	***	***	******
150	6.79	******	*****							150	6.79	******	*****	*****	***	***	******
200	4.15	******	*****							200	4.15	******	*****	*****	***	***	******
250	3.20	******	*****							250	3.20	******	*****	*****	***	***	******
300	1.95	******	*****							300	1.95	******	*****	*****	***	***	******
400	.70	******	*****							400	.70	******	*****	*****	***	***	******
500	.55	******	*****							500	.55	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 104-09 , 37-03.4, N, 130-37.6, E, OCT.12.1981, 01.30 KST, DEPTH 2340 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND SE 2, BARO 1006.5, AIR TEMP. DRY 16.8, WET , CLOUD. TYPE , AMT 6, WEATHER BC,																	
0	17.93	******	*****							0	17.93	******	*****	*****	***	***	******
10	17.91	******	*****							10	17.91	******	*****	*****	***	***	******
20	17.33	******	*****							20	17.33	******	*****	*****	***	***	******
30	13.49	******	*****							30	13.49	******	*****	*****	***	***	******
50	11.83	******	*****							50	11.83	******	*****	*****	***	***	******
75	10.21	******	*****							75	10.21	******	*****	*****	***	***	******
100	8.81	******	*****							100	8.81	******	*****	*****	***	***	******
125	8.22	******	*****							125	8.22	******	*****	*****	***	***	******
150	7.65	******	*****							150	7.65	******	*****	*****	***	***	******
200	6.85	******	*****							200	6.85	******	*****	*****	***	***	******
250	3.29	******	*****							250	3.29	******	*****	*****	***	***	******
300	2.71	******	*****							300	2.71	******	*****	*****	***	***	******
400	1.21	******	*****							400	1.21	******	*****	*****	***	***	******
500	.75	******	*****							500	.75	******	*****	*****	***	***	******
KOREA ,CHUN MA SAN , STATION 104-10 , 37-03.4, N, 130-56.4, E, OCT.11.1981, 22.50 KST, DEPTH 1800 , COLOR , TRANS. , ,																	
WAVE 3, SWELL 1, WIND SE 3, BARO 1006.5, AIR TEMP. DRY 17.0, WET , CLOUD. TYPE , AMT 6, WEATHER BC,																	
0	18.10	******	*****							0	18.10	******	*****	*****	***	***	******
10	18.09	******	*****							10	18.09	******	*****	*****	***	***	******
20	16.03	******	*****							20	16.03	******	*****	*****	***	***	******
30	10.52	******	*****							30	10.52	******	*****	*****	***	***	******
50	8.01	******	*****							50	8.01	******	*****	*****	***	***	******
75	8.00	******	*****							75	8.00	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	6.73	******	*****							100	6.73	******	*****	*****	***	***	******
125	6.02	******	*****							125	6.02	******	*****	*****	***	***	******
150	5.89	******	*****							150	5.89	******	*****	*****	***	***	******
200	5.59	******	*****							200	5.59	******	*****	*****	***	***	******
250	5.21	******	*****							250	5.21	******	*****	*****	***	***	******
300	3.01	******	*****							300	3.01	******	*****	*****	***	***	******
400	1.65	******	*****							400	1.65	******	*****	*****	***	***	******
500	1.08	******	*****							500	1.08	******	*****	*****	***	***	******

KOREA ,CHUN MA SAN , STATION 104-11 , 37-03.4. N, 131-15.3. E, OCT.11.1981, 20.10 KST, DEPTH 2325 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 2, BARO 1005. , AIR TEMP. DRY 16.7, WET . , CLOUD. TYPE , AMT 6, WEATHER BC,

0	18.75	******	*****							0	18.75	******	*****	*****	***	***	******
10	18.46	******	*****							10	18.46	******	*****	*****	***	***	******
20	16.64	******	*****							20	16.64	******	*****	*****	***	***	******
30	10.71	******	*****							30	10.71	******	*****	*****	***	***	******
50	8.42	******	*****							50	8.42	******	*****	*****	***	***	******
75	7.92	******	*****							75	7.92	******	*****	*****	***	***	******
100	6.89	******	*****							100	6.89	******	*****	*****	***	***	******
125	6.61	******	*****							125	6.61	******	*****	*****	***	***	******
150	6.42	******	*****							150	6.42	******	*****	*****	***	***	******
200	4.17	******	*****							200	4.17	******	*****	*****	***	***	******
250	3.40	******	*****							250	3.40	******	*****	*****	***	***	******
300	2.95	******	*****							300	2.95	******	*****	*****	***	***	******
400	1.81	******	*****							400	1.81	******	*****	*****	***	***	******
500	1.10	******	*****							500	1.10	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,CHUN MA SAN , STATION 104-04 , 37-03.4. N, 129-28.8. E, DEC. 9.1981, 05.40 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND W 3, BARO 1016. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE ST, AMT 1, WEATHER B ,

0	14.71	34.330	*****	0	14.71	34.330	*****	25.54	245	245	.0000
10	14.80	34.370	*****	10	14.80	34.370	*****	25.55	244	244	.0245
20	14.81	34.370	*****	20	14.81	34.370	*****	25.55	244	245	.0490
30	14.20	34.380	*****	30	14.20	34.380	*****	25.69	231	232	.0729
50	14.11	34.330	*****	50	14.11	34.330	*****	25.67	233	234	.1196
75	6.39	34.140	*****	75	6.39	34.140	*****	26.84	121	122	.1642
100	2.91	34.050	*****	100	2.91	34.050	*****	27.16	92	92	.1911

KOREA ,CHUN MA SAN , STATION 104-05 , 37-03.4. N, 129-33.6. E, DEC. 9.1981, 06.40 KST, DEPTH 220 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND W 4, BARO 1016. , AIR TEMP. DRY 6.3, WET . , CLOUD. TYPE ST, AMT 1, WEATHER B ,

0	14.80	34.330	*****	0	14.80	34.330	*****	25.52	247	247	.0000
10	14.84	34.340	*****	10	14.84	34.340	*****	25.52	247	247	.0248
20	14.82	34.340	*****	20	14.82	34.340	*****	25.52	247	247	.0495
30	14.64	34.370	*****	30	14.64	34.370	*****	25.58	241	241	.0740
50	14.15	34.380	*****	50	14.15	34.380	*****	25.70	230	231	.1214
75	13.90	34.330	*****	75	13.90	34.330	*****	25.71	229	231	.1793
100	11.45	34.330	*****	100	11.45	34.330	*****	26.19	183	185	.2314
125	5.65	34.200	*****	125	5.65	34.200	*****	26.99	108	109	.2683
150	3.35	34.050	*****	150	3.35	34.050	*****	27.12	95	96	.2940
200	2.05	34.020	*****	200	2.05	34.020	*****	27.21	87	87	.3402

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 104-06 , 37-03.4. N, 129-47.6. E, DEC. 9.1981, 08.04 KST, DEPTH 600 , COLOR 4, TRANS. 16.0,																	
WAVE 4, SWELL 2, WIND NW 4, BARO 1016. , AIR TEMP. DRY 6.3, WET . , CLOUD. TYPE ST, AMT 1, WEATHER B ,																	
0	15.90	34.450	*****							0	15.90	34.450	*****	25.37	262	261	.0000
10	15.85	34.400	*****							10	15.85	34.400	*****	25.34	264	264	.0263
20	15.25	34.370	*****							20	15.25	34.370	*****	25.45	254	254	.0523
30	14.80	34.430	*****							30	14.80	34.430	*****	25.60	240	240	.0770
50	14.75	34.330	*****							50	14.75	34.330	*****	25.53	246	247	.1259
75	4.60	34.090	*****							75	4.60	34.090	*****	27.02	104	105	.1700
100	3.25	34.030	*****							100	3.25	34.030	*****	27.11	96	96	.1953
125	2.45	34.030	*****							125	2.45	34.030	*****	27.18	89	90	.2187
150	2.41	34.040	*****							150	2.41	34.040	*****	27.19	88	89	.2411
200	2.30	34.030	*****							200	2.30	34.030	*****	27.19	88	89	.2857
250	2.12	34.100	*****							250	2.12	34.100	*****	27.26	81	82	.3287
300	2.10	34.120	*****							300	2.10	34.120	*****	27.28	80	81	.3697
400	1.32	34.050	*****							400	1.32	34.050	*****	27.28	80	80	.4506
500	1.01	34.040	*****							500	1.01	34.040	*****	27.30	79	79	.5306
KOREA ,CHUN MA SAN , STATION 104-07 , 37-03.4. N, 130-00.0. E, DEC. 9.1981, 10.50 KST, DEPTH 1050 , COLOR 4, TRANS. 16.5,																	
WAVE 5, SWELL 2, WIND NW 5, BARO 1015.5, AIR TEMP. DRY 5.9, WET . , CLOUD. TYPE ST, AMT 3, WEATHER BC,																	
0	16.25	34.350	*****							0	16.25	34.350	*****	25.21	277	276	.0000
10	16.80	34.350	*****							10	16.80	34.350	*****	25.08	289	289	.0283
20	15.90	34.370	*****							20	15.90	34.370	*****	25.31	267	268	.0562
30	15.15	34.410	*****							30	15.15	34.410	*****	25.50	249	249	.0821
50	11.40	34.340	*****							50	11.40	34.340	*****	26.21	182	182	.1253
75	5.45	34.070	*****							75	5.45	34.070	*****	26.91	115	116	.1627

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	3.45	34.040	*****							100	3.45	34.040	*****	27.10	97	97	.1895
125	2.55	34.030	*****							125	2.55	34.030	*****	27.17	90	90	.2131
150	1.95	34.030	*****							150	1.95	34.030	*****	27.22	86	86	.2353
200	1.75	34.040	*****							200	1.75	34.040	*****	27.24	83	84	.2779
250	1.25	34.050	*****							250	1.25	34.050	*****	27.29	79	79	.3189
300	.85	34.090	*****							300	.85	34.090	*****	27.35	74	74	.3574
400	.45	34.060	*****							400	.45	34.060	*****	27.35	74	73	.4315
500	.40	34.030	*****							500	.40	34.030	*****	27.32	76	75	.5083

KOREA ,CHUN HA SAN , STATION 104-08 , 37-03.4. N, 130-18.7. E, DEC.10.1981, 11.30 KST, DEPTH 720 , COLOR 4, TRANS. 17.5,

WAVE 4, SWELL 2, WIND SE 4, BARO 1024. , AIR TEMP. DRY 7.3, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	16.10	34.410	*****	0	16.10	34.410 *****	25.29 269 269 .0000
10	16.95	34.380	*****	10	16.95	34.380 *****	25.07 290 290 .0280
20	16.95	34.420	*****	20	16.95	34.420 *****	25.10 287 287 .0569
30	16.85	34.380	*****	30	16.85	34.380 *****	25.09 288 288 .0857
50	15.35	34.350	*****	50	15.35	34.350 *****	25.41 257 258 .1404
75	14.45	34.210	*****	75	14.45	34.210 *****	25.50 249 251 .2042
100	8.20	34.020	*****	100	8.20	34.020 *****	26.50 154 156 .2551
125	7.95	34.020	*****	125	7.95	34.020 *****	26.53 151 153 .2937
150	7.65	******	*****	150	7.65	****** *****	***** *** *** ******
200	4.75	34.020	*****	200	4.75	34.020 *****	26.95 111 113 ******
250	3.30	34.010	*****	250	3.30	34.010 *****	27.09 98 99 ******
300	2.06	34.020	*****	300	2.06	34.020 *****	27.20 87 88 ******
400	1.10	34.040	*****	400	1.10	34.040 *****	27.29 79 79 ******
500	.75	34.070	*****	500	.75	34.070 *****	27.34 75 75 ******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,CHUN MA SAN , STATION 104-09 , 37-03.4. N, 130-37.6. E, DEC.10.1981, 14.30 KST, DEPTH 2340 , COLOR 4, TRANS. 18.0,																	
WAVE 4, SWELL 2, WIND SE 4, BARO 1022.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,																	
0	15.58	34.370	*****							0	15.58	34.370	*****	25.38	261	260	.0000
10	16.40	34.360	*****							10	16.40	34.360	*****	25.18	279	279	.0270
20	16.25	34.330	*****							20	16.25	34.330	*****	25.19	278	278	.0549
30	16.14	34.320	*****							30	16.14	34.320	*****	25.21	276	277	.0827
50	14.95	34.260	*****							50	14.95	34.260	*****	25.43	255	256	.1362
75	14.16	34.210	*****							75	14.16	34.210	*****	25.56	243	245	.1989
100	12.65	34.210	*****							100	12.65	34.210	*****	25.87	214	216	.2566
125	7.95	34.230	*****							125	7.95	34.230	*****	26.70	135	137	.3009
150	7.80	34.230	*****							150	7.80	34.230	*****	26.72	133	135	.3350
200	6.40	34.220	*****							200	6.40	34.220	*****	26.91	115	118	.3985
250	3.15	34.240	*****							250	3.15	34.240	*****	27.29	79	81	.4484
300	2.14	34.180	*****							300	2.14	34.180	*****	27.33	76	77	.4880
400	1.95	34.030	*****							400	1.95	34.030	*****	27.22	86	87	.5701
500	1.20	34.040	*****							500	1.20	34.040	*****	27.28	80	80	.6540
KOREA ,CHUN MA SAN , STATION 104-10 , 37-03.4. N, 130-56.4. E, DEC.10.1981, 17.30 KST, DEPTH 1800 , COLOR , TRANS. . ,																	
WAVE 4, SWELL 2, WIND SE 4, BARO 1021. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,																	
0	15.30	34.360	*****							0	15.30	34.360	*****	25.43	255	255	.0000
10	14.90	34.340	*****							10	14.90	34.340	*****	25.50	249	248	.0252
20	14.80	34.300	*****							20	14.80	34.300	*****	25.50	249	250	.0502
30	14.35	34.280	*****							30	14.35	34.280	*****	25.58	242	242	.0748
50	13.85	34.250	*****							50	13.85	34.250	*****	25.66	234	235	.1226
75	13.10	34.220	*****							75	13.10	34.220	*****	25.79	222	223	.1800

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	12.80	34.320	*****							100	12.80	34.320	*****	25.93	208	211	.2343
125	8.10	34.210	*****							125	8.10	34.210	*****	26.66	139	141	.2784
150	7.80	34.190	*****							150	7.80	34.190	*****	26.69	136	138	.3134
200	6.95	34.170	*****							200	6.95	34.170	*****	26.79	126	129	.3804
250	3.45	34.220	*****							250	3.45	34.220	*****	27.24	83	85	.4341
300	2.30	34.200	*****							300	2.30	34.200	*****	27.33	75	76	.4747
400	2.21	34.030	*****							400	2.21	34.030	*****	27.20	87	89	.5578
500	1.61	34.040	*****							500	1.61	34.040	*****	27.25	82	83	.6444

KOREA , CHUN MA SAN , STATION 104-11 , 37-03.4. N, 131-15.3. E, DEC.10.1981, 20.20 KST, DEPTH 2325 , COLOR , TRANS. . ,
WAVE , SWELL , WIND SE 4, BARO 1021. , AIR TEMP. DRY 6.4, WET . , CLOUD TYPE , AMT 8, WEATHER C ,

0	14.52	34.080	*****							0	14.52	34.080	*****	25.39	260	259	.0000
10	14.50	34.040	*****							10	14.50	34.040	*****	25.36	262	262	.0261
20	14.32	33.990	*****							20	14.32	33.990	*****	25.36	262	263	.0524
30	14.05	33.970	*****							30	14.05	33.970	*****	25.40	258	259	.0785
50	13.45	33.990	*****							50	13.45	33.990	*****	25.54	245	246	.1291
75	12.55	33.830	*****							75	12.55	33.830	*****	25.60	240	241	.1902
100	11.90	34.030	*****							100	11.90	34.030	*****	25.87	213	215	.2474
125	7.85	34.030	*****							125	7.85	34.030	*****	26.56	149	150	.2932
150	6.75	34.020	*****							150	6.75	34.020	*****	26.70	135	137	.3292
200	5.40	34.020	*****							200	5.40	34.020	*****	26.87	118	120	.3937
250	2.35	34.030	*****							250	2.35	34.030	*****	27.19	89	89	.4464
300	1.35	34.050	*****							300	1.35	34.050	*****	27.28	80	80	.4891
400	1.33	34.060	*****							400	1.33	34.060	*****	27.29	79	80	.5694
500	1.11	34.040	*****							500	1.11	34.040	*****	27.29	79	80	.6494

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,JI PI SAN , STATION 103-04 , 36-30.3. N, 129-30.1. E, FEB.16.1981, 12.3[illegible] KST, DEPTH 110 , COLOR 2, TRANS. 8.0,

WAVE 2, SWELL 2, WIND NW 3, BARO 1023. , AIR TEMP. DRY 5.5, WET . , CLO[illegible]. TYPE NS, AMT 10, WEATHER R ,

0	6.76	33.820	*****	0	6.76	33.820	*****	26.54	150	149	.0000
10	6.29	33.810	*****	10	6.29	33.810	*****	26.60	145	144	.0147
20	6.20	34.090	*****	20	6.20	34.090	*****	26.83	123	123	.0281
30	5.78	34.130	*****	30	5.78	34.130	*****	26.91	115	115	.0401
50	5.65	34.110	*****	50	5.65	34.110	*****	26.91	115	115	.0631
75	5.46	34.130	*****	75	5.46	34.130	*****	26.95	111	111	.0915
100	5.30	34.100	*****	100	5.30	34.100	*****	26.95	111	112	.1196

KOREA ,JI PI SAN , STATION 103-05 , 36-30.3. N, 129-35.4. E, FEB.16.1981, 13.20 KST, DEPTH 205 , COLOR 2, TRANS. 10.0,

WAVE 2, SWELL 2, WIND NW 3, BARO 1023. , AIR TEMP. DRY 5.6, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	6.54	34.130	*****	0	6.54	34.130	*****	26.82	124	124	.0000
10	6.48	34.080	*****	10	6.48	34.080	*****	26.79	127	127	.0126
20	6.24	34.080	*****	20	6.24	34.080	*****	26.74	131	131	.0255
30	5.72	34.140	*****	30	5.72	34.140	*****	26.93	113	113	.0378
50	5.30	34.070	*****	50	5.30	34.070	*****	26.93	114	114	.0606
75	5.00	34.130	*****	75	5.00	34.130	*****	27.01	106	106	.0882
100	4.72	34.110	*****	100	4.72	34.110	*****	27.02	104	105	.1147
125	3.80	34.090	*****	125	3.80	34.090	*****	27.11	97	97	.1401
150	3.72	34.060	*****	150	3.72	34.060	*****	27.09	98	99	.1648
200	3.20	34.090	*****	200	3.20	34.090	*****	27.16	91	92	.2128

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 103-06 , 36-30.3. N, 129-47.3. E, FEB.16.1981, 14.45 KST, DEPTH 235 , COLOR 2, TRANS. 10.0,
WAVE 2, SWELL 2, WIND NW 4, BARO 1022.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	6.60	34.120	*****	0	6.60	34.120	*****	26.60	125	125	.0000
10	6.46	34.090	*****	10	6.46	34.090	*****	26.60	126	126	.0126
20	5.92	34.070	*****	20	5.92	34.070	*****	26.65	121	121	.0249
30	5.85	34.070	*****	30	5.85	34.070	*****	26.86	120	120	.0370
50	5.38	34.020	*****	50	5.38	34.020	*****	26.88	118	118	.0610
75	5.11	34.060	*****	75	5.11	34.060	*****	26.94	112	113	.0900
100	4.60	34.040	*****	100	4.60	34.040	*****	26.98	108	109	.1178
125	3.71	34.000	*****	125	3.71	34.000	*****	27.04	102	103	.1445
150	3.86	33.980	*****	150	3.86	33.980	*****	27.01	105	106	.1708
200	3.30	33.980	*****	200	3.30	33.980	*****	27.07	100	101	.2229
230	3.20	33.970	*****								

KOREA ,JI PI SAN , STATION 103-07 , 36-30.3. N, 130-00.0. E, FEB.16.1981, 16.05 KST, DEPTH 850 , COLOR 2, TRANS. 7.0,
WAVE 2, SWELL 2, WIND NE 4, BARO 1022.5, AIR TEMP. DRY 5.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	7.96	34.140	*****	0	7.96	34.140	*****	26.63	142	142	.0000
10	8.00	34.170	*****	10	8.00	34.170	*****	26.64	140	140	.0141
20	8.82	34.150	*****	20	8.82	34.150	*****	26.50	154	154	.0289
30	5.48	34.060	*****	30	5.48	34.060	*****	26.90	116	116	.0425
50	4.78	34.040	*****	50	4.78	34.040	*****	26.96	110	110	.0652
75	3.99	34.000	*****	75	3.99	34.000	*****	27.01	105	105	.0923
100	3.89	33.980	*****	100	3.89	33.980	*****	27.01	106	106	.1189
125	3.79	34.000	*****	125	3.79	34.000	*****	27.03	103	104	.1453
150	3.70	34.000	*****	150	3.70	34.000	*****	27.04	102	103	.1713

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	3.38	33.980	*****							200	3.38	33.980	*****	27.06	101	102	.2229
250	3.20	33.980	*****							250	3.20	33.980	*****	27.08	99	101	.2738
300	3.11	33.960	*****							300	3.11	33.960	*****	27.07	100	102	.3246
400	2.96	33.950	*****							400	2.96	33.950	*****	27.07	100	102	.4267
500	2.80	33.950	*****							500	2.80	33.950	*****	27.09	98	101	.5284

KOREA ,JI PI SAN , STATION 103-08 , 36-30.3. N, 130-18.6. E, FEB.16.1981, 18.00 KST, DEPTH 198 , COLOR 2, TRANS. 8.0,

WAVE 1, SWELL 2, WIND NE 5, BARO 1022. , AIR TEMP. DRY 4.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	7.98	34.240	*****							0	7.98	34.240	*****	26.70	135	135	.0000
10	8.12	34.280	*****							10	8.12	34.280	*****	26.71	134	134	.0135
20	8.83	34.280	*****							20	8.83	34.280	*****	26.60	144	144	.0274
30	5.50	34.260	*****							30	5.50	34.260	*****	27.05	102	102	.0398
50	4.70	34.220	*****							50	4.70	34.220	*****	27.11	96	96	.0596
75	4.00	34.250	*****							75	4.00	34.250	*****	27.21	86	87	.0826
100	3.75	34.110	*****							100	3.75	34.110	*****	27.13	95	95	.1054
125	3.62	34.100	*****							125	3.62	34.100	*****	27.13	94	95	.1293
150	3.41	34.070	*****							150	3.41	34.070	*****	27.13	94	95	.1532
190	3.21	34.070	*****														

KOREA ,JI PI SAN , STATION 103-09 , 36-30.3. N, 130-37.3. E, FEB.16.1981, 19.50 KST, DEPTH 2150 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 5, BARO 1022. , AIR TEMP. DRY 3.5, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	8.01	34.330	*****							0	8.01	34.330	*****	26.77	129	128	.0000
10	8.03	34.360	*****							10	8.03	34.360	*****	26.79	127	126	.0128
20	8.97	34.350	*****							20	8.97	34.350	*****	26.63	141	141	.0262
30	5.56	34.350	*****							30	5.56	34.350	*****	27.12	96	96	.0381

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	4.92	34.360	*****							50	4.92	34.360	*****	27.20	88	88	.0566
75	4.12	34.150	*****							75	4.12	34.150	*****	27.12	95	95	.0796
100	3.81	34.110	*****							100	3.81	34.110	*****	27.12	95	96	.1036
125	3.61	34.090	*****							125	3.61	34.090	*****	27.12	95	95	.1276
150	3.42	34.040	*****							150	3.42	34.040	*****	27.10	97	98	.1519
200	3.20	34.020	*****							200	3.20	34.020	*****	27.11	96	97	.2008
250	3.12	34.010	*****							250	3.12	34.010	*****	27.11	96	98	.2498
300	2.71	34.000	*****							300	2.71	34.000	*****	27.14	94	95	.2982
400	2.50	34.070	*****							400	2.50	34.070	*****	27.21	87	88	.3904
500	1.91	34.050	*****							500	1.91	34.050	*****	27.24	84	85	.4777

KOREA ,JI RI SAN , STATION 103-10 , 36-30.3. N, 130-55.6. E, FEB.16.1981, 21.40 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 5, BARO 1022. , AIR TEMP. DRY 3.0, WET , CLOUD. TYPE , AMT , WEATHER R ,

0	8.21	34.130	*****							0	8.21	34.130	*****	26.58	146	146	.0000
10	8.39	34.310	*****							10	8.39	34.310	*****	26.69	136	135	.0141
20	9.21	34.330	*****							20	9.21	34.330	*****	26.58	146	146	.0283
30	6.39	34.350	*****							30	6.39	34.350	*****	27.01	106	106	.0409
50	5.21	34.350	*****							50	5.21	34.350	*****	27.16	92	92	.0608
75	4.31	34.170	*****							75	4.31	34.170	*****	27.12	95	96	.0843
100	3.72	34.070	*****							100	3.72	34.070	*****	27.10	97	98	.1087
125	3.51	34.070	*****							125	3.51	34.070	*****	27.12	95	96	.1330
150	3.40	34.040	*****							150	3.40	34.040	*****	27.10	97	97	.1573
200	3.19	34.010	*****							200	3.19	34.010	*****	27.10	97	98	.2064
250	3.02	34.010	*****							250	3.02	34.010	*****	27.12	96	97	.2553
300	2.83	34.000	*****							300	2.83	34.000	*****	27.12	95	96	.3038

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
400	2.31	34.040	*****							400	2.31	34.040	*****	27.20	87	89	.3968
500	1.82	34.050	*****							500	1.82	34.050	*****	27.25	83	84	.4840

KOREA ,JI RI SAN , STATION 103-11 , 36-30.3. N, 131-14.0. E, FEB.16.1981, 23.30 KST, DEPTH <100 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 5, BARO 1021. , AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	8.44	34.180 *****				0	8.44	34.180 *****	26.58	146	146	.0000
10	8.52	34.170 *****				10	8.52	34.170 *****	26.56	148	148	.0147
20	9.41	34.190 *****				20	9.41	34.190 *****	26.44	160	160	.0301
30	7.52	34.180 *****				30	7.52	34.180 *****	26.72	133	133	.0448
50	6.39	34.150 *****				50	6.39	34.150 *****	26.85	120	121	.0703
75	5.29	34.130 *****				75	5.29	34.130 *****	26.97	109	110	.0993
100	4.31	34.110 *****				100	4.31	34.110 *****	27.07	100	101	.1256
125	3.72	34.320 *****				125	3.72	34.320 *****	27.30	78	79	.1482
150	3.31	34.120 *****				150	3.31	34.120 *****	27.18	90	90	.1696
200	3.10	34.070 *****				200	3.10	34.070 *****	27.16	92	93	.2156
250	3.00	34.060 *****				250	3.00	34.060 *****	27.16	92	93	.2622
300	2.71	34.060 *****				300	2.71	34.060 *****	27.18	89	90	.3083
400	2.12	34.060 *****				400	2.12	34.060 *****	27.23	85	86	.3970
500	1.72	****** *****				500	1.72	****** *****	*****	***	***	******

4 월 (April)

KOREA ,JI RI SAN , STATION 103-04 , 36-30.3. N, 129-30.1. E, APR.12.1981, 08.05 KST, DEPTH 110 , COLOR 4, TRANS. 10. ,

WAVE 2, SWELL 2, WIND NW 5, BARO 1013. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	9.10	34.220 *****				0	9.10	34.220 *****	26.51	153	152	.0000
10	8.30	34.200 *****				10	8.30	34.200 *****	26.62	142	142	.0148

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	7.25	34.210	*****							20	7.25	34.210	*****	26.78	127	127	.0283
30	6.30	34.180	*****							30	6.30	34.180	*****	26.89	117	117	.0406
50	4.75	34.110	*****							50	4.75	34.110	*****	27.02	105	105	.0629
75	3.43	34.030	*****							75	3.43	34.030	*****	27.09	98	98	.0883
100	3.00	34.020	*****							100	3.00	34.020	*****	27.13	95	95	.1125

KOREA ,JI RI SAN , STATION 103-05 , 36-30.3. N, 129-35.4. E, APR.12.1981, 07.05 KST, DEPTH 205 , COLOR 4. TRANS. 10. ,
WAVE 2, SWELL 2, WIND NW 3, BARO 1013.5, AIR TEMP. DRY 9.7, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	8.88	34.150	*****							0	8.88	34.150	*****	26.49	155	154	.0000
10	8.10	34.130	*****							10	8.10	34.130	*****	26.60	145	145	.0150
20	7.27	34.160	*****							20	7.27	34.160	*****	26.74	131	131	.0288
30	7.00	34.130	*****							30	7.00	34.130	*****	26.76	130	130	.0419
50	6.86	34.150	*****							50	6.86	34.150	*****	26.79	126	127	.0677
75	6.55	34.180	*****							75	6.55	34.180	*****	26.86	120	121	.0988
100	5.81	34.150	*****							100	5.81	34.150	*****	26.93	113	114	.1283
125	4.25	34.090	*****							125	4.25	34.090	*****	27.06	101	102	.1555
150	3.85	34.070	*****							150	3.85	34.070	*****	27.08	98	99	.1808
200	2.65	34.050	*****							200	2.65	34.050	*****	27.18	89	90	.2284

KOREA ,JI RI SAN , STATION 103-06 , 36-30.3. N, 129-47.3. E, APR.12.1981, 05.35 KST, DEPTH 235 , COLOR , TRANS. . ,
WAVE 2, SWELL 2, WIND NW 3, BARO 1013. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.10	34.190	*****							0	9.10	34.190	*****	26.49	155	155	.0000
10	8.81	34.210	*****							10	8.81	34.210	*****	26.55	149	149	.0152
20	8.50	34.250	*****							20	8.50	34.250	*****	26.63	142	142	.0298
30	7.89	34.250	*****							30	7.89	34.250	*****	26.72	133	133	.0436

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	7.50	34.220	*****							50	7.50	34.220	*****	26.76	130	130	.0700
75	7.10	34.250	*****							75	7.10	34.250	*****	26.84	122	123	.1018
100	6.90	34.230	*****							100	6.90	34.230	*****	26.85	121	122	.1325
125	6.45	34.200	*****							125	6.45	34.200	*****	26.88	117	119	.1628
150	5.70	34.180	*****							150	5.70	34.180	*****	26.96	110	111	.1917
200	3.60	34.120	*****							200	3.60	34.120	*****	27.15	92	94	.2432
230	2.60	34.070	*****														

KOREA ,JI PI SAN , STATION 103-07 , 36-30.3. N, 130-00.0. E, APR.12.1981, 04.00 KST, DEPTH 850 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NW 3, BARO 1013. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.20	34.210	*****							0	9.20	34.210	*****	26.49	155	155	.0000
10	8.55	34.220	*****							10	8.55	34.220	*****	26.60	145	144	.0150
20	8.78	34.220	*****							20	8.78	34.220	*****	26.56	148	148	.0297
30	7.80	34.260	*****							30	7.80	34.260	*****	26.74	131	131	.0437
50	7.45	34.240	*****							50	7.45	34.240	*****	26.78	128	128	.0697
75	7.21	34.220	*****							75	7.21	34.220	*****	26.80	126	127	.1016
100	6.85	34.140	*****							100	6.85	34.140	*****	26.78	127	128	.1336
125	6.53	34.200	*****							125	6.53	34.200	*****	26.87	118	120	.1648
150	5.92	34.180	*****							150	5.92	34.180	*****	26.94	112	114	.1941
200	5.80	34.170	*****							200	5.80	34.170	*****	26.94	112	114	.2514
250	3.00	34.090	*****							250	3.00	34.090	*****	27.18	89	91	.3028
300	1.71	34.050	*****							300	1.71	34.050	*****	27.26	82	83	.3464
400	.99	34.050	*****							400	.99	34.050	*****	27.30	78	78	.4273
500	.85	34.050	*****							500	.85	34.050	*****	27.31	77	77	.5051

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 103-08 , 36-30.3. N, 130-18.6. E, APR.12.1981, 02.00 KST, DEPTH 198 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND SW 5, BARO 1013. , AIR TEMP. DRY 11.4, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	9.14	34.210	*****	0	9.14	34.210	*****	26.50	154	154	.0000
10	9.10	34.220	*****	10	9.10	34.220	*****	26.51	153	153	.0154
20	8.94	34.220	*****	20	8.94	34.220	*****	26.54	150	150	.0306
30	8.30	34.240	*****	30	8.30	34.240	*****	26.65	139	140	.0451
50	7.40	34.200	*****	50	7.40	34.200	*****	26.75	130	130	.0722
75	6.00	34.180	*****	75	6.00	34.180	*****	26.93	113	114	.1029
100	4.75	34.150	*****	100	4.75	34.150	*****	27.05	102	102	.1301
125	3.50	34.130	*****	125	3.50	34.130	*****	27.17	91	91	.1544
150	3.23	34.120	*****	150	3.23	34.120	*****	27.18	89	90	.1772
190	2.58	34.100	*****								

KOREA ,JI RI SAN , STATION 103-09 , 36-30.3. N, 130-37.3. E, APR.11.1981, 23.55 KST, DEPTH 2150 , COLOR , TRANS. , ,

WAVE 2, SWELL 2, WIND SW 5, BARO 1013. , AIR TEMP. DRY 11.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	8.93	34.210	*****	0	8.93	34.210	*****	26.53	151	151	.0000
10	8.85	34.220	*****	10	8.85	34.220	*****	26.55	149	149	.0150
20	8.60	34.210	*****	20	8.60	34.210	*****	26.58	146	146	.0298
30	8.15	34.220	*****	30	8.15	34.220	*****	26.66	139	139	.0441
50	6.10	34.200	*****	50	6.10	34.200	*****	26.93	113	114	.0695
75	4.50	34.140	*****	75	4.50	34.140	*****	27.07	100	100	.0963
100	4.02	34.120	*****	100	4.02	34.120	*****	27.11	96	97	.1211
125	2.85	34.080	*****	125	2.85	34.080	*****	27.19	89	89	.1445
150	2.25	34.080	*****	150	2.25	34.080	*****	27.24	84	84	.1663
200	1.02	34.050	*****	200	1.02	34.050	*****	27.30	78	78	.2070

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	.77	34.060	*****							250	.77	34.060	*****	27.33	76	75	.2456
300	.60	34.050	*****							300	.60	34.050	*****	27.33	75	75	.2835
400	.55	34.130	*****							400	.55	34.130	*****	27.40	69	69	.3559
500	.50	34.090	*****							500	.50	34.090	*****	27.37	72	71	.4265

KOREA ,JI PI SAN , STATION 103-10 , 36-30.3. N, 130-55.6. E, APR.11.1981, 21.55 KST, DEPTH 1800 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1013. , AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.30	34.190	*****							0	9.30	34.190	*****	26.46	158	158	.0000
10	8.53	34.200	*****							10	8.53	34.200	*****	26.59	146	146	.0152
20	8.33	34.200	*****							20	8.33	34.200	*****	26.62	143	143	.0297
30	8.05	34.200	*****							30	8.05	34.200	*****	26.66	139	139	.0438
50	7.50	34.200	*****							50	7.50	34.200	*****	26.74	131	132	.0710
75	6.24	34.190	*****							75	6.24	34.190	*****	26.90	116	116	.1021
100	5.10	34.140	*****							100	5.10	34.140	*****	27.00	106	107	.1302
125	2.80	34.040	*****							125	2.80	34.040	*****	27.16	91	92	.1551
150	2.50	34.030	*****							150	2.50	34.030	*****	27.18	90	90	.1780
200	2.43	34.040	*****							200	2.43	34.040	*****	27.19	88	89	.2230
250	1.50	34.050	*****							250	1.50	34.050	*****	27.27	81	81	.2658
300	.94	34.040	*****							300	.94	34.040	*****	27.30	78	78	.3059
400	.65	34.040	*****							400	.65	34.040	*****	27.32	76	76	.3836
500	.60	34.050	*****							500	.60	34.050	*****	27.33	75	75	.4597

KOREA ,JI PI SAN , STATION 103-11 , 36-30.3. N, 131-14.0. E, APR.11.1981, 19.50 KST, DEPTH 2100 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1013. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	8.67	34.120	*****							0	8.67	34.120	*****	26.50	154	153	.0000
10	8.23	34.140	*****							10	8.23	34.140	*****	26.59	146	146	.0150

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	8.15	34.130	*****							20	8.15	34.130	*****	26.59	145	145	.0296
30	7.85	34.150	*****							30	7.85	34.150	*****	26.65	140	140	.0439
50	6.30	34.170	*****							50	6.30	34.170	*****	26.88	118	118	.0698
75	4.30	34.110	*****							75	4.30	34.110	*****	27.07	100	100	.0973
100	3.14	34.070	*****							100	3.14	34.070	*****	27.15	92	92	.1215
125	2.91	34.090	*****							125	2.91	34.090	*****	27.19	89	89	.1443
150	1.90	34.050	*****							150	1.90	34.050	*****	27.24	84	84	.1660
200	1.13	34.050	*****							200	1.13	34.050	*****	27.30	78	78	.2069
250	.74	34.060	*****							250	.74	34.060	*****	27.33	75	75	.2455
300	.60	34.050	*****							300	.60	34.050	*****	27.33	75	75	.2834
400	.55	34.050	*****							400	.55	34.050	*****	27.33	75	75	.3588
500	.50	34.040	*****							500	.50	34.040	*****	27.33	76	75	.4343

6 월(June)

AREA , JI RI SAN , STATION 103-04 , 36-30.3. N, 129-30.1. E, JUN. 8.1981, 11.35 KST, DEPTH 110 , COLOR 3, TRANS. 13.0,
AVE , SWELL , WIND E 1, BARO 1017. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	12.65	33.710	*****							0	12.65	33.710	*****	25.48	251	250	.0000
10	12.98	33.900	*****							10	12.98	33.900	*****	25.56	243	243	.0247
20	12.00	33.970	*****							20	12.00	33.970	*****	25.81	219	220	.0479
30	7.79	33.890	*****							30	7.79	33.890	*****	26.45	158	158	.0668
50	4.62	33.890	*****							50	4.62	33.890	*****	26.86	120	120	.0947
75	2.98	33.930	*****							75	2.98	33.930	*****	27.06	101	101	.1225
100	2.47	33.980	*****							100	2.47	33.980	*****	27.14	93	93	.1470

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 103-05 , 36-30.3. N, 129-35.4. E, JUN. 8.1981, 12.30 KST, DEPTH 205 , COLOR 4, TRANS. 12.0,																	
WAVE , SWELL , WIND E 1, BARO 1017. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,																	
0	13.45	33.980	*****							0	13.45	33.980	*****	25.53	246	246	.0000
10	12.25	33.920	*****							10	12.25	33.920	*****	25.72	228	228	.0237
20	11.59	33.780	*****							20	11.59	33.780	*****	25.74	226	226	.0465
30	7.95	33.700	*****							30	7.95	33.700	*****	26.28	175	175	.0666
50	2.80	33.880	*****							50	2.80	33.880	*****	27.03	103	103	.0945
75	1.31	33.850	*****							75	1.31	33.850	*****	27.12	95	95	.1194
100	1.05	33.850	*****							100	1.05	33.850	*****	27.14	93	93	.1430
125	.98	33.860	*****							125	.98	33.860	*****	27.15	92	92	.1662
150	.86	33.930	*****							150	.86	33.930	*****	27.22	86	86	.1885
200	.19	33.950	*****							200	.19	33.950	*****	27.27	81	80	.2303
KOREA ,JI PI SAN , STATION 103-06 , 36-30.3. N, 129-47.3. E, JUN. 8.1981, 14.00 KST, DEPTH 235 , COLOR 4, TRANS. 11.0,																	
WAVE , SWELL , WIND SE 2, BARO 1016.5, AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,																	
0	14.27	34.100	*****							0	14.27	34.100	*****	25.45	253	253	.0000
10	12.23	33.810	*****							10	12.23	33.810	*****	25.64	235	235	.0245
20	9.80	33.820	*****							20	9.80	33.820	*****	26.09	193	193	.0460
30	7.19	33.910	*****							30	7.19	33.910	*****	26.56	149	149	.0631
50	6.30	34.120	*****							50	6.30	34.120	*****	26.84	122	122	.0903
75	4.98	34.120	*****							75	4.98	34.120	*****	27.00	106	107	.1190
100	1.63	33.900	*****							100	1.63	33.900	*****	27.14	93	93	.1441
125	1.50	33.920	*****							125	1.50	33.920	*****	27.17	91	91	.1672
150	1.00	33.880	*****							150	1.00	33.880	*****	27.17	91	90	.1900
200	.99	33.930	*****							200	.99	33.930	*****	27.21	87	87	.2345
230	.85	33.930	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 103-07 , 36-30.3. N, 130-00.0. E, JUN. 8.1981, 15.30 KST, DEPTH 850 , COLOR 4, TRANS. 10. ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1017. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	15.00	34.040	*****							0	15.00	34.040	*****	25.25	273	272	.0000
10	14.08	34.130	*****							10	14.08	34.130	*****	25.52	247	247	.0260
20	11.59	34.170	*****							20	11.59	34.170	*****	26.04	197	198	.0483
30	9.49	34.220	*****							30	9.49	34.220	*****	26.45	159	159	.0662
50	7.12	34.210	*****							50	7.12	34.210	*****	26.80	125	126	.0948
75	5.24	34.120	*****							75	5.24	34.120	*****	26.97	109	110	.1243
100	3.41	34.080	*****							100	3.41	34.080	*****	27.14	94	94	.1499
125	2.29	33.990	*****							125	2.29	33.990	*****	27.16	91	91	.1732
150	1.90	33.880	*****							150	1.90	33.880	*****	27.10	97	97	.1969
200	1.80	33.950	*****							200	1.80	33.950	*****	27.17	91	91	.2440
250	.98	33.940	*****							250	.98	33.940	*****	27.22	86	86	.2884
300	.99	34.000	*****							300	.99	34.000	*****	27.26	81	81	.3305
400	.95	34.070	*****							400	.95	34.070	*****	27.32	76	76	.4097
500	.75	34.060	*****							500	.75	34.060	*****	27.33	75	75	.4859

KOREA ,JI PI SAN , STATION 103-08 , 36-30.3. N, 130-18.6. E, JUN. 8.1981, 17.35 KST, DEPTH 198 , COLOR 4, TRANS. 10.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1017. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	14.60	34.060	*****							0	14.60	34.060	*****	25.35	263	263	.0000
10	14.35	34.090	*****							10	14.35	34.090	*****	25.43	256	256	.0260
20	12.62	34.180	*****							20	12.62	34.180	*****	25.85	215	216	.0496
30	9.44	34.210	*****							30	9.44	34.210	*****	26.45	159	159	.0683
50	7.90	34.210	*****							50	7.90	34.210	*****	26.69	136	136	.0980
75	5.46	34.170	*****							75	5.46	34.170	*****	26.99	108	108	.1287

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	4.15	******	*****							100	4.15	******	*****	*****	***	***	******
125	3.10	34.120	*****							125	3.10	34.120	*****	27.20	88	88	******
150	1.71	34.040	*****							150	1.71	34.040	*****	27.25	83	83	******
190	1.40	34.060	*****														
KOREA	,JI PI SAN	, STATION 103-09 , 36-30.3. N, 130-37.3. E, JUN. 8.1981, 19.35 KST, DEPTH 2150 , COLOR 4, TRANS. 10.0,															
WAVE	1, SWELL	1, WIND SE	3, BARO 1017. , AIR TEMP. DRY 16.5, WET	. , CLOUD. TYPE	, AMT	, WEATHER C ,											
0	15.13	34.130	*****							0	15.13	34.130	*****	25.29	269	268	.0000
10	14.12	34.170	*****							10	14.12	34.170	*****	25.54	245	245	.0257
20	10.33	34.220	*****							20	10.33	34.220	*****	26.31	172	172	.0466
30	6.82	34.130	*****							30	6.82	34.130	*****	26.78	127	128	.0617
50	4.94	34.010	*****							50	4.94	34.010	*****	26.92	114	114	.0860
75	2.48	33.930	*****							75	2.48	33.930	*****	27.10	97	97	.1125
100	2.28	34.010	*****							100	2.28	34.010	*****	27.18	90	90	.1360
125	2.37	34.060	*****							125	2.37	34.060	*****	27.21	86	87	.1582
150	1.70	34.030	*****							150	1.70	34.030	*****	27.24	84	84	.1796
200	1.16	33.990	*****							200	1.16	33.990	*****	27.25	83	83	.2217
250	.80	34.050	*****							250	.80	34.050	*****	27.32	76	76	.2618
300	.59	34.050	*****							300	.59	34.050	*****	27.33	75	75	.2999
400	.47	34.050	*****							400	.47	34.050	*****	27.34	75	74	.3751
500	.45	34.060	*****							500	.45	34.060	*****	27.35	74	73	.4494
KOREA	,JI PI SAN	, STATION 103-10 , 36-30.3. N, 130-55.6. E, JUN. 8.1981, 21.40 KST, DEPTH 1800 , COLOR , TRANS. . ,															
WAVE	1, SWELL	1, WIND NE	3, BARO 1018. , AIR TEMP. DRY 17.5, WET	. , CLOUD. TYPE	, AMT	, WEATHER C ,											
0	16.15	34.120	*****							0	16.15	34.120	*****	25.06	291	291	.0000
10	15.55	34.130	*****							10	15.55	34.130	*****	25.20	277	277	.0285

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	14.70	34.140	*****							20	14.70	34.140	*****	25.39	259	259	.0553
30	10.90	34.240	*****							30	10.90	34.240	*****	26.22	180	181	.0774
50	7.20	34.280	*****							50	7.20	34.280	*****	26.85	121	122	.1077
75	3.85	34.010	*****							75	3.85	34.010	*****	27.04	103	103	.1360
100	3.00	34.080	*****							100	3.00	34.080	*****	27.17	90	90	.1603
125	2.85	34.050	*****							125	2.85	34.050	*****	27.16	91	91	.1832
150	2.40	34.030	*****							150	2.40	34.030	*****	27.19	89	89	.2059
200	1.35	34.060	*****							200	1.35	34.060	*****	27.29	79	79	.2483
250	1.10	34.040	*****							250	1.10	34.040	*****	27.29	79	79	.2881
300	.87	34.030	*****							300	.87	34.030	*****	27.30	78	78	.3277
400	.53	34.040	*****							400	.53	34.040	*****	27.32	76	75	.4051
500	.48	34.060	*****							500	.48	34.060	*****	27.34	74	74	.4801

KOREA , JI SI SAN , STATION 103-11 , 36-30.3. N, 131-14.0. E, JUN. 8.1981, 23.40 KST, DEPTH 2100 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1018. , AIR TEMP. DRY 17.5. WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	15.50	34.180	*****							0	15.50	34.180	*****	25.25	273	272	.0000
10	13.38	34.240	*****							10	13.38	34.240	*****	25.75	225	225	.0249
20	12.99	34.240	*****							20	12.99	34.240	*****	25.83	218	218	.0472
30	12.58	34.240	*****							30	12.58	34.240	*****	25.91	210	211	.0687
50	7.45	34.230	*****							50	7.45	34.230	*****	26.77	128	129	.1027
75	4.11	34.110	*****							75	4.11	34.110	*****	27.09	98	98	.1312
100	3.59	34.090	*****							100	3.59	34.090	*****	27.13	95	95	.1555
125	3.00	34.060	*****							125	3.00	34.060	*****	27.16	92	92	.1790
150	2.18	34.050	*****							150	2.18	34.050	*****	27.22	86	86	.2014
200	1.78	******	*****							200	1.78	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	.75	33.970	*****							250	.75	33.970	*****	27.26	82	82	******
300	.65	34.040	*****							300	.65	34.040	*****	27.32	76	76	******
400	.60	34.040	*****							400	.60	34.040	*****	27.32	76	76	******
500	.56	34.020	*****							500	.56	34.020	*****	27.31	77	77	******

8 월 (August)

KOREA JI PI SAN , STATION 103-04 , 36-30.3. N, 129-30.1. E, AUG. 6.1981, 11.10 KST, DEPTH 110 , COLOR 3, TRANS. 12.0,

WAVE 1, SWELL 2, WIND SE 2, BARO 1003.5, AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	20.50	33.300	*****							0	20.50	33.300	*****	23.36	453	453	.0000
10	17.70	33.360	*****							10	17.70	33.360	*****	24.11	381	381	.0418
20	13.00	33.710	*****							20	13.00	33.710	*****	25.41	257	257	.0737
30	10.10	34.020	*****							30	10.10	34.020	*****	26.19	183	184	.0958
50	6.47	33.960	*****							50	6.47	33.960	*****	26.69	136	136	.1279
75	5.40	33.980	*****							75	5.40	33.980	*****	26.84	121	122	.1603
105	3.84	33.980	*****							100	4.10	33.980	*****	26.99	108	108	.1892

KOREA JI PI SAN , STATION 103-05 , 36-30.3. N, 129-35.4. E, AUG. 6.1981, 12.05 KST, DEPTH 205 , COLOR 4, TRANS. 15.0,

WAVE 2, SWELL 2, WIND SE 5, BARO 1003.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	19.98	33.640	*****							0	19.98	33.640	*****	23.75	415	415	.0000
10	18.90	33.630	*****							10	18.90	33.630	*****	24.02	390	390	.0403
20	16.42	33.640	*****							20	16.42	33.640	*****	24.63	332	332	.0764
30	15.60	33.630	*****							30	15.60	33.630	*****	24.80	315	316	.1089
50	9.17	34.080	*****							50	9.17	34.080	*****	26.39	164	165	.1570
75	5.50	34.070	*****							75	5.50	34.070	*****	26.90	116	116	.1923

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	3.03	34.050	*****							100	3.03	34.050	*****	27.15	93	93	.2186
125	2.91	34.000	*****							125	2.91	34.000	*****	27.12	95	96	.2423
150	2.41	33.980	*****							150	2.41	33.980	*****	27.14	93	93	.2661
200	2.38	33.980	*****							200	2.38	33.980	*****	27.15	93	93	.3129

KOREA ,JI PI SAN , STATION 103-06 , 36-30.3. N, 129-47.3. E, AUG. 6,1981, 13.55 KST, DEPTH 235 , COLOR 4, TRANS. 14.0,
WAVE 2, SWELL 2, WIND SE 5, BARO 1003.5, AIR TEMP. DRY 25.0. WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	21.89	33.640	*****							0	21.89	33.640	*****	23.24	465	464	.0000
10	21.50	33.640	*****							10	21.50	33.640	*****	23.35	454	454	.0460
20	17.88	33.980	*****							20	17.88	33.980	*****	24.54	340	341	.0858
30	13.42	34.160	*****							30	13.42	34.160	*****	25.68	232	233	.1145
50	5.17	33.980	*****							50	5.17	33.980	*****	26.87	119	119	.1497
75	3.90	34.000	*****							75	3.90	34.000	*****	27.02	104	105	.1778
100	3.08	33.980	*****							100	3.08	33.980	*****	27.09	98	99	.2033
125	2.74	34.000	*****							125	2.74	34.000	*****	27.13	94	94	.2276
150	1.84	34.000	*****							150	1.84	34.000	*****	27.21	87	87	.2504
200	1.24	34.010	*****							200	1.24	34.010	*****	27.26	82	82	.2930
230	1.12	34.000	*****														

KOREA ,JI PI SAN , STATION 103-07 , 36-30.3. N, 130-00.0. E, AUG. 6.1981, 15.05 KST, DEPTH 850 , COLOR 4, TRANS. 15.0,
WAVE 2, SWELL 2, WIND SE 5, BARO 1003.5, AIR TEMP. DRY 27.6. WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	22.11	33.620	*****							0	22.11	33.620	*****	23.16	472	471	.0000
10	14.00	33.940	*****							10	14.00	33.940	*****	25.39	260	260	.0366
20	7.21	34.160	*****							20	7.21	34.160	*****	26.75	130	130	.0561
30	4.80	34.080	*****							30	4.80	34.080	*****	26.99	107	107	.0681

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	2.45	33.990	*****							50	2.45	33.990	*****	27.15	92	92	.0881
75	1.90	34.010	*****							75	1.90	34.010	*****	27.21	87	87	.1106
100	1.82	******	*****							100	1.82	******	*****	*****	***	***	******
125	1.48	34.030	*****							125	1.48	34.030	*****	27.26	82	82	******
150	1.23	******	*****							150	1.23	******	*****	*****	***	***	******
200	1.11	34.030	*****							200	1.11	34.030	*****	27.28	80	80	******
250	1.05	34.040	*****							250	1.05	34.040	*****	27.29	79	79	******
300	.88	34.020	*****							300	.88	34.020	*****	27.29	79	79	******
400	.67	34.050	*****							400	.67	34.050	*****	27.32	76	76	******
500	.42	34.030	*****							500	.42	34.030	*****	27.32	76	75	******

KOREA ,JI PI SAN , STATION 103-08 , 36-30.3. N, 130-18.6. E, AUG. 6.1981, 17.10 KST, DEPTH 198 , COLOR 3, TRANS. 13. ,

WAVE 2, SWELL 2, WIND SE 5, BARO 1003.5, AIR TEMP. DRY 24.2, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	21.42	33.290	*****	23.10	477	477	.0000
10	14.90	******	*****	*****	***	***	******
20	9.19	34.130	*****	26.43	161	161	******
30	4.65	34.050	*****	26.98	108	108	******
50	2.70	33.990	*****	27.13	94	94	******
75	2.32	33.990	*****	27.16	91	91	******
100	1.90	33.990	*****	27.19	88	88	******
125	1.52	33.990	*****	27.22	86	86	******
150	1.32	33.990	*****	27.23	84	84	******
190	.95	34.020	*****				

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 103-09 , 36-30.3. N, 130-37.3. E, AUG. 6.1981, 19.10 KST, DEPTH <150 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SE 5, BARO 1004. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,																	
0	21.35	33.340	*****							0	21.35	33.340	*****	23.16	472	472	.0000
10	21.30	33.330	*****							10	21.30	33.330	*****	23.16	471	471	.0472
20	12.60	33.970	*****							20	12.60	33.970	*****	25.09	230	231	.0824
30	7.82	34.110	*****							30	7.82	34.110	*****	26.62	142	142	.1011
50	6.73	34.140	*****							50	6.73	34.140	*****	26.80	125	126	.1280
75	5.60	34.100	*****							75	5.60	34.100	*****	26.91	115	115	.1583
100	4.34	34.040	*****							100	4.34	34.040	*****	27.01	106	106	.1861
125	4.45	34.020	*****							125	4.45	34.020	*****	26.98	108	109	.2131
150	2.90	33.970	*****							150	2.90	33.970	*****	27.09	98	98	.2392
200	2.35	34.030	*****							200	2.35	34.030	*****	27.19	89	89	.2862
250	1.60	******	*****							250	1.60	******	*****	*****	***	***	******
300	1.16	33.990	*****							300	1.16	33.990	*****	27.25	83	83	******
400	.86	34.000	*****							400	.86	34.000	*****	27.27	81	81	******
500	.60	34.020	*****							500	.60	34.020	*****	27.30	78	77	******
KOREA ,JI PI SAN , STATION 103-10 , 36-30.3. N, 130-55.6. E, AUG. 6.1981, 21.15 KST, DEPTH 1800 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SW 5, BARO 1004. , AIR TEMP. DRY 22.3, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	22.03	33.120	*****							0	22.03	33.120	*****	22.81	506	506	.0000
10	17.83	33.530	*****							10	17.83	33.530	*****	24.21	372	372	.0439
20	13.93	34.130	*****							20	13.93	34.130	*****	25.55	244	244	.0748
30	11.24	34.140	*****							30	11.24	34.140	*****	26.08	194	194	.0967
50	8.10	34.170	*****							50	8.10	34.170	*****	26.63	142	142	.1305
75	6.88	34.140	*****							75	6.88	34.140	*****	26.78	127	128	.1644

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	4.58	34.070	*****							100	4.58	34.070	*****	27.01	106	106	.1939
125	2.80	33.990	*****							125	2.80	33.990	*****	27.12	95	96	.2193
150	2.00	33.970	*****							150	2.00	33.970	*****	27.17	90	91	.2427
200	1.55	33.990	*****							200	1.55	33.990	*****	27.22	86	86	.2871
250	1.26	34.000	*****							250	1.26	34.000	*****	27.25	83	83	.3296
300	.90	34.010	*****							300	.90	34.010	*****	27.28	80	80	.3707
400	.68	34.000	*****							400	.68	34.000	*****	27.28	80	79	.4510
500	.59	34.010	*****							500	.59	34.010	*****	27.30	78	78	.5302

KOREA , JI EI SAN , STATION 103-11 , 36-30.3. N, 131-14.0. E, AUG. 6,1981, 23.15 KST, DEPTH 2100 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SW 5, BARO 1005. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.00	33.070	*****							0	23.00	33.070	*****	22.49	536	535	.0000
10	22.30	33.230	*****							10	22.30	33.230	*****	22.81	505	505	.0521
20	18.24	33.470	*****							20	18.24	33.470	*****	24.06	386	386	.0967
30	13.17	33.960	*****							30	13.17	33.960	*****	25.57	242	242	.1281
50	9.13	34.190	*****							50	9.13	34.190	*****	26.48	155	156	.1681
75	5.75	34.110	*****							75	5.75	34.110	*****	26.90	116	116	.2023
100	3.50	34.010	*****							100	3.50	34.010	*****	27.07	100	100	.2295
125	2.50	33.990	*****							125	2.50	33.990	*****	27.15	93	93	.2537
150	1.84	33.950	*****							150	1.84	33.950	*****	27.17	91	91	.2769
200	1.40	33.970	*****							200	1.40	33.970	*****	27.21	86	86	.3215
250	1.30	34.020	*****							250	1.30	34.020	*****	27.26	82	82	.3638
300	.90	34.030	*****							300	.90	34.030	*****	27.29	79	79	.4042
400	.72	34.020	*****							400	.72	34.020	*****	27.30	78	78	.4831
500	.55	34.020	*****							500	.55	34.020	*****	27.31	77	77	.5612

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월(October)

KOREA ,CHUN MA SAN , STATION 103-04 , 36-30.3. N, 129-30.1. E, OCT.13.1981, 10.10 KST, DEPTH 110 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 1014.5, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	17.74	32.990	*****	0	17.74	32.990	*****	23.82	409	409	.0000
10	17.72	32.890	*****	10	17.72	32.890	*****	23.75	416	416	.0413
20	17.70	32.890	*****	20	17.70	32.890	*****	23.75	415	416	.0829
30	13.70	33.360	*****	30	13.70	33.360	*****	25.00	296	297	.1186
50	7.80	34.040	*****	50	7.80	34.040	*****	26.57	147	148	.1631
75	4.60	34.040	*****	75	4.60	34.040	*****	26.98	108	109	.1953
105	2.70	34.030	*****	100	3.02	34.032	*****	27.13	94	94	.2208

KOREA ,CHUN MA SAN , STATION 103-05 , 36-30.3. N, 129-35.4. E, OCT.13.1981, 11.20 KST, DEPTH 205 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1014. , AIR TEMP. DRY 18.1, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.35	32.970	*****	0	18.35	32.970	*****	23.65	425	424	.0000
10	18.20	32.920	*****	10	18.20	32.920	*****	23.65	425	425	.0425
20	15.40	33.330	*****	20	15.40	33.330	*****	24.62	333	333	.0804
30	12.60	33.540	*****	30	12.60	33.540	*****	25.36	262	262	.1103
50	6.70	34.090	*****	50	6.70	34.090	*****	26.76	129	129	.1495
75	3.95	34.030	*****	75	3.95	34.030	*****	27.04	102	103	.1787
100	2.70	34.030	*****	100	2.70	34.030	*****	27.16	91	92	.2031
125	2.10	34.030	*****	125	2.10	34.030	*****	27.21	87	87	.2255
150	1.85	******	*****	150	1.85	******	*****	*****	***	***	******
200	1.40	33.940	*****	200	1.40	33.940	*****	27.19	89	89	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 103-06 , 36-30.3. N, 129-47.3. E, OCT.13.1981, 15.20 KST, DEPTH 235 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1014. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.90	33.120	*****							0	18.90	33.120	*****	23.63	427	427	.0000
10	18.70	33.100	*****							10	18.70	33.100	*****	23.67	423	423	.0425
20	14.10	34.000	*****							20	14.10	34.000	*****	25.41	257	257	.0766
30	11.62	34.050	*****							30	11.62	34.050	*****	25.94	207	207	.0999
50	7.35	34.090	*****							50	7.35	34.090	*****	26.67	137	138	.1345
75	5.95	34.050	*****							75	5.95	34.050	*****	26.83	123	123	.1673
100	5.15	34.010	*****							100	5.15	34.010	*****	26.90	116	117	.1975
125	4.80	34.010	*****							125	4.80	34.010	*****	26.94	113	114	.2264
150	2.95	34.020	*****							150	2.95	34.020	*****	27.13	94	95	.2526
200	1.80	******	*****							200	1.80	******	*****	*****	***	***	******
230	1.55	******	*****														

KOREA ,CHUN MA SAN , STATION 103-07 , 36-30.3. N, 130-00.0. E, OCT.13.1981, 15.20 KST, DEPTH 850 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SW 4, BARO 1011. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	18.65	33.170	*****							0	18.65	33.170	*****	23.73	417	417	.0000
10	18.65	33.070	*****							10	18.65	33.070	*****	23.66	424	424	.0421
20	15.40	33.870	*****							20	15.40	33.870	*****	25.03	293	294	.0781
30	13.13	33.840	*****							30	13.13	33.840	*****	25.49	250	250	.1053
50	8.30	34.000	*****							50	8.30	34.000	*****	26.75	131	131	.1436
75	4.90	34.000	*****							75	4.90	34.000	*****	26.92	114	115	.1744
100	3.60	34.040	*****							100	3.60	34.040	*****	27.09	98	99	.2013
125	2.65	34.040	*****							125	2.65	34.040	*****	27.17	90	91	.2251

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
150	2.00	33.980	*****							150	2.00	33.980	*****	27.18	90	90	.2477
200	1.50	33.990	*****							200	1.50	33.990	*****	27.22	85	86	.2919
250	1.40	34.030	*****							250	1.40	34.030	*****	27.26	82	82	.3340
300	1.40	34.040	*****							300	1.40	34.040	*****	27.27	81	81	.3751
400	1.27	34.040	*****							400	1.27	34.040	*****	27.28	80	81	.4565
500	1.12	34.040	*****							500	1.12	34.040	*****	27.29	79	80	.5371

KOREA ,CHUN MA SAN , STATION 103-08 , 36-30.3. N, 130-18.6. E, OCT.13.1981, 18.00 KST, DEPTH 198 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SW 5, BARO 1009. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	19.30	33.020	*****	0	19.30	33.020	*****	23.46	444	443	.0000
10	19.25	32.990	*****	10	19.25	32.990	*****	23.45	445	445	.0445
20	18.00	******	*****	20	18.00	******	*****	*****	***	***	******
30	13.00	34.100	*****	30	13.00	34.100	*****	25.72	228	229	******
50	6.80	34.010	*****	50	6.80	34.010	*****	26.69	136	136	******
75	6.05	34.130	*****	75	6.05	34.130	*****	26.83	118	118	******
100	4.70	34.090	*****	100	4.70	34.090	*****	27.01	106	106	******
125	3.30	34.080	*****	125	3.30	34.080	*****	27.15	93	93	******
150	2.48	34.030	*****	150	2.48	34.030	*****	27.18	90	90	******
190	2.44	34.030	*****								

KOREA ,CHUN MA SAN , STATION 103-09 , 36-30.3. N, 130-37.3. E, OCT.13.1981, 20.30 KST, DEPTH <150 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SW 6, BARO 1009. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.75	33.170	*****	0	19.75	33.170	*****	23.45	444	444	.0000
10	19.70	33.110	*****	10	19.70	33.110	*****	23.42	447	447	.0446
20	19.10	33.110	*****	20	19.10	33.110	*****	23.57	432	433	.0886

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	18.50	33.400	*****							30	18.50	33.400	*****	23.95	397	398	.1302
50	14.10	34.200	*****							50	14.10	34.200	*****	25.57	242	244	.1944
75	7.80	34.080	*****							75	7.80	34.080	*****	26.60	144	145	.2431
100	5.75	34.080	*****							100	5.75	34.080	*****	26.88	118	119	.2762
125	5.60	34.070	*****							125	5.60	34.070	*****	26.89	117	118	.3060
150	4.65	34.080	*****							150	4.65	34.080	*****	27.01	106	107	.3342
200	2.05	34.010	*****							200	2.05	34.010	*****	27.20	88	88	.3833
250	1.95	34.030	*****							250	1.95	34.030	*****	27.22	86	86	.4271
300	1.60	34.100	*****							300	1.60	34.100	*****	27.30	78	78	.4685
400	1.10	34.140	*****							400	1.10	34.140	*****	27.37	71	72	.5440
500	.75	34.050	*****							500	.75	34.050	*****	27.32	76	76	.6185

KOREA , CHUN MA SAN , STATION 103-10 , 36-30.3. N, 130-55.6. E, OCT.17.1981, 05.20 KST, DEPTH 1800 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NW 2, BARO 1012. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.75	33.030	*****	0	17.75	33.030	*****	23.85	406	406	.0000
10	17.73	33.040	*****	10	17.73	33.040	*****	23.86	405	405	.0406
20	17.70	33.070	*****	20	17.70	33.070	*****	23.89	402	403	.0810
30	16.30	33.410	*****	30	16.30	33.410	*****	24.48	346	347	.1186
50	8.50	34.000	*****	50	8.50	34.000	*****	26.43	160	161	.1694
75	6.85	34.120	*****	75	6.85	34.120	*****	26.77	129	129	.2058
100	6.00	34.120	*****	100	6.00	34.120	*****	26.88	118	119	.2369
125	4.70	34.070	*****	125	4.70	34.070	*****	26.99	107	108	.2654
150	3.25	34.030	*****	150	3.25	34.030	*****	27.11	96	97	.2912
200	2.60	34.020	*****	200	2.60	34.020	*****	27.16	91	92	.3386
250	1.58	34.030	*****	250	1.58	34.030	*****	27.25	83	83	.3826

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
300	1.06	34.040	*****							300	1.06	34.040	*****	27.29	79	79	.4234
400	.63	34.040	*****							400	.63	34.040	*****	27.32	76	76	.5014
500	.50	34.050	*****							500	.50	34.050	*****	27.33	75	74	.5772

KOREA ,CHUN MA SAN , STATION 103-11 , 36-30.3. N, 131-14.0. E, OCT.17.1981, 02.40 KST, DEPTH 2100 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1012. , AIR TEMP. DRY 16.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.71	33.130	*****	0	18.71	33.130	*****	23.69	422	421	.0000
10	18.69	33.160	*****	10	18.69	33.160	*****	23.72	419	419	.0421
20	18.59	33.200	*****	20	18.59	33.200	*****	23.77	414	414	.0837
30	17.90	33.230	*****	30	17.90	33.230	*****	23.96	395	396	.1243
50	11.41	34.030	*****	50	11.41	34.030	*****	25.97	205	205	.1845
75	6.86	34.020	*****	75	6.86	34.020	*****	26.69	136	137	.2274
100	5.46	34.070	*****	100	5.46	34.070	*****	26.91	115	116	.2592
125	4.59	34.040	*****	125	4.59	34.040	*****	26.98	108	109	.2875
150	3.46	******	*****	150	3.46	******	*****	*****	***	***	******
200	1.96	******	*****	200	1.96	******	*****	*****	***	***	******
250	1.52	34.050	*****	250	1.52	34.050	*****	27.27	81	81	******
300	1.11	34.050	*****	300	1.11	34.050	*****	27.30	78	78	******
400	.59	34.030	*****	400	.59	34.030	*****	27.31	77	77	******
500	.56	34.050	*****	500	.56	34.050	*****	27.33	75	75	******

12월 (December)

KOREA ,JI PI SAN . , STATION 103-04 , 36-30.3. N, 129-30.1. E, DEC.17.1981, 10.40 KST, DEPTH 110 , COLOR 5, TRANS. 13.0,

WAVE 2, SWELL 2, WIND NW 5, BARO 1034. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	15.72	34.420	*****	0	15.72	34.420	*****	25.38	260	260	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.89	34.380	*****							10	14.89	34.380	*****	25.54	245	245	.0253
20	14.60	34.360	*****							20	14.60	34.360	*****	25.58	241	241	.0497
30	14.22	34.350	*****							30	14.22	34.350	*****	25.66	234	234	.0735
50	12.55	******	*****							50	12.55	******	*****	*****	***	***	******
75	12.32	34.350	*****							75	12.32	34.350	*****	26.04	197	199	******
100	11.20	34.350	*****							100	11.20	34.350	*****	26.25	177	179	******

KOREA ,JI PI SAN , STATION 103-05 , 36-30.3. N, 129-35.4. E, DEC.17.1981, 11.25 KST, DEPTH 205 , COLOR 5, TRANS. 13.0,

WAVE 2, SWELL 2, WIND NW 5, BARO 1034. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT. , WEATHER B ,

0	15.50	34.360	*****							0	15.50	34.360	*****	25.39	260	259	.0000
10	15.60	34.360	*****							10	15.60	34.360	*****	25.37	262	262	.0261
20	15.70	34.370	*****							20	15.70	34.370	*****	25.35	263	263	.0524
30	15.55	34.380	*****							30	15.55	34.380	*****	25.39	259	260	.0786
50	14.60	34.360	*****							50	14.60	34.360	*****	25.58	241	242	.1289
75	11.68	34.260	*****							75	11.68	34.260	*****	26.09	192	194	.1835
100	11.70	34.070	*****							100	11.70	34.070	*****	25.94	207	209	.2339
125	3.15	33.990	*****							125	3.15	33.990	*****	27.09	98	99	.2725
150	2.25	33.990	*****							150	2.25	33.990	*****	27.17	91	91	.2963
200	2.10.	34.000	*****							200	2.10	34.000	*****	27.19	89	89	.3417

KOREA ,JI PI SAN , STATION 103-06 , 36-30.3. N, 129-47.3. E, DEC.17.1981, 12.45 KST, DEPTH 235 , COLOR 5, TRANS. 12. ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1035. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CS, AMT 3, WEATHER BC,

0	15.84	34.350	*****							0	15.84	34.350	*****	25.30	268	267	.0000
10	15.80	34.360	*****							10	15.80	34.360	*****	25.32	266	266	.0267
20	15.75	34.370	*****							20	15.75	34.370	*****	25.34	264	264	.0533

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	15.05	34.380	*****							30	15.05	34.380	*****	25.50	249	249	.3790
50	14.96	34.320	*****							50	14.96	34.320	*****	25.48	251	252	.1293
75	14.39	34.320	*****							75	14.39	34.320	*****	25.60	240	241	.1911
100	11.21	34.250	*****							100	11.21	34.250	*****	26.17	185	187	.2447
125	3.39	34.020	*****							125	3.39	34.020	*****	27.09	98	99	.2805
150	2.60	33.980	*****							150	2.60	33.980	*****	27.13	94	95	.3048
200	1.99	34.000	*****							200	1.99	34.000	*****	27.19	88	89	.3509
230	1.80	33.970	*****														

KOREA ,JI DI SAN , STATION 103-07 , 36-30.3. N, 130-00.0. E, DEC.17.1981, 14.05 KST, DEPTH 850 , COLOR 5, TRANS. 12.0,
RAIN 1, SWELL 1, WIND NE 3, BARO 1035. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE CU, AMT 4, WEATHER RC,

0	15.35	34.360	*****							0	15.35	34.360	*****	25.42	256	256	.0000
10	15.60	34.350	*****							10	15.60	34.350	*****	25.36	262	262	.0260
20	15.00	34.350	*****							20	15.00	34.350	*****	25.49	250	250	.0517
30	14.50	34.330	*****							30	14.50	34.330	*****	25.58	241	242	.0763
50	13.51	34.300	*****							50	13.51	34.300	*****	25.77	224	225	.1230
75	8.38	34.180	*****							75	8.38	34.180	*****	26.59	145	146	.1694
100	7.85	34.040	*****							100	7.85	34.040	*****	26.56	148	149	.2065
125	4.60	34.060	*****							125	4.60	34.060	*****	27.00	107	108	.2387
150	3.09	34.020	*****							150	3.09	34.020	*****	27.12	95	96	.2643
200	2.89	33.970	*****							200	2.89	33.970	*****	27.10	97	98	.3131
250	2.02	33.980	*****							250	2.02	33.980	*****	27.18	90	90	.3606
300	1.52	33.990	*****							300	1.52	33.990	*****	27.22	86	86	.4049
400	1.09	34.000	*****							400	1.09	34.000	*****	27.26	82	82	.4896
500	.92	34.000	*****							500	.92	34.000	*****	27.27	81	81	.5718

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 103-08 , 36-30.3. N, 130-18.6. E, DEC.17.1981, 16.00 KST, DEPTH 198 , COLOR 6, TRANS. 11.0,																	
WAVE 1, SWELL 1, WIND NE 4, BARO 1035. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,																	
0	14.22	34.330	*****							0	14.22	34.330	*****	25.64	235	235	.0000
10	14.20	34.330	*****							10	14.20	34.330	*****	25.65	235	235	.0236
20	14.22	34.340	*****							20	14.22	34.340	*****	25.65	235	235	.0471
30	14.19	34.360	*****							30	14.19	34.360	*****	25.67	233	233	.0705
50	13.70	34.300	*****							50	13.70	34.300	*****	25.73	227	228	.1168
75	11.89	34.250	*****							75	11.89	34.250	*****	26.05	197	198	.1702
100	7.42	34.160	*****							100	7.42	34.160	*****	26.72	133	134	.2119
125	3.40	34.210	*****							125	3.40	34.210	*****	27.24	84	84	.2394
150	2.70	34.230	*****							150	2.70	34.230	*****	27.32	76	77	.2597
190	1.90	34.210	*****														
KOREA ,JI RI SAN , STATION 103-09 , 36-30.3. N, 130-37.3. E, DEC.17.1981, 17.50 KST, DEPTH <150 , COLOR 5, TRANS. 13.0																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1035. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,																	
0	15.70	34.350	*****							0	15.70	34.350	*****	25.33	265	264	.0000
10	15.78	34.360	*****							10	15.78	34.360	*****	25.32	266	266	.0265
20	15.66	34.410	*****							20	15.66	34.410	*****	25.39	259	260	.0529
30	15.59	34.360	*****							30	15.59	34.360	*****	25.37	262	262	.0790
50	15.48	34.370	*****							50	15.48	34.370	*****	25.40	258	260	.1313
75	15.43	34.380	*****							75	15.43	34.380	*****	25.42	257	258	.1961
100	15.00	34.330	*****							100	15.00	34.330	*****	25.47	251	254	.2603
125	14.15	34.300	*****							125	14.15	34.300	*****	25.63	236	239	.3220
150	10.46	34.280	*****							150	10.46	34.280	*****	26.33	170	173	.3737

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
250	2.69	34.120	*****							250	2.69	34.120	*****	27.23	84	86	.4885
300	1.91	34.050	*****							300	1.91	34.050	*****	27.24	84	84	.5512
400	1.56	34.030	*****							400	1.56	34.030	*****	27.25	83	84	.6157
500	1.00	34.000	*****							500	1.00	34.000	*****	27.26	81	82	.6983
KOREA ,JI PI SAN , STATION 103-10 , 36-30.3. N, 130-55.6. E, DEC.17.1981, 19.45 KST, DEPTH 1800 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1035. , AIR TEMP. DRY 9.7, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	16.53	******	*****							0	16.53	******	*****	*****	***	***	.0000
10	16.50	34.340	*****							10	16.50	34.340	*****	25.14	283	283	******
20	16.54	34.380	*****							20	16.54	34.380	*****	25.17	281	281	******
30	16.61	34.370	*****							30	16.61	34.370	*****	25.14	283	284	******
50	16.49	34.350	*****							50	16.49	34.350	*****	25.15	282	283	******
75	16.49	34.350	*****							75	16.49	34.350	*****	25.15	282	284	******
100	16.50	34.330	*****							100	16.50	34.330	*****	25.14	283	286	******
125	13.80	34.320	*****							125	13.80	34.320	*****	25.72	228	231	******
150	8.10	34.150	*****							150	8.10	34.150	*****	26.61	143	146	******
200	4.19	33.990	*****							200	4.19	33.990	*****	26.99	108	109	******
250	2.00	33.990	*****							250	2.00	33.990	*****	27.19	89	90	******
300	1.40	34.000	*****							300	1.40	34.000	*****	27.24	84	84	******
400	1.00	34.000	*****							400	1.00	34.000	*****	27.26	81	82	******
500	.80	34.010	*****							500	.80	34.010	*****	27.28	80	80	******
KOREA ,JI PI SAN , STATION 103-11 , 36-30.3. N, 131-14.0. E, DEC.17.1981, 21.35 KST, DEPTH 2100 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NE 3, BARO 1035. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	16.37	34.340	*****							0	16.37	34.340	*****	25.17	280	280	.0000
10	16.25	34.350	*****							10	16.25	34.350	*****	25.21	277	276	.0279

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	16.36	34.360	*****							20	16.36	34.360	*****	25.19	278	278	.0557
30	16.45	34.330	*****							30	16.45	34.330	*****	25.15	282	283	.0838
50	16.31	34.340	*****							50	16.31	34.340	*****	25.19	279	280	.1401
75	16.28	34.340	*****							75	16.28	34.340	*****	25.20	278	280	.2102
100	16.26	34.350	*****							100	16.26	34.350	*****	25.21	277	279	.2802
125	12.44	34.290	*****							125	12.44	34.290	*****	25.97	204	207	.3411
150	8.39	34.150	*****							150	8.39	34.150	*****	26.57	147	150	.3858
200	2.64	33.970	*****							200	2.64	33.970	*****	27.12	95	96	.4475
250	1.75	33.950	*****							250	1.75	33.950	*****	27.17	90	91	.4944
300	1.46	33.970	*****							300	1.46	33.970	*****	27.21	87	87	.5391
400	1.22	33.990	*****							400	1.22	33.990	*****	27.24	84	84	.6251
500	.99	33.990	*****							500	.99	33.990	*****	27.26	82	82	.7088

102선 해양관측 성적

Oceanographic Data. Line 102

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,JI PI SAN , STATION 102-04 , 36-04.6. N, 129-36.9. E, FEB.18.1981, 10.50 KST, DEPTH 56 , COLOR 2, TRANS. 10.0,
WAVE 2, SWELL 2, WIND SW 4, BARO 1022. , AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	8.05	34.190	*****	0	8.05	34.190	*****	26.65	140	139	.0000
10	7.75	34.230	*****	10	7.75	34.230	*****	26.73	132	132	.0136
20	7.05	34.150	*****	20	7.05	34.150	*****	26.76	129	129	.0267
30	6.85	34.140	*****	30	6.85	34.140	*****	26.78	127	127	.0396
50	6.20	34.130	*****	50	6.20	34.130	*****	26.86	120	120	.0644

KOREA ,JI PI SAN , STATION 102-05 , 36-04.6. N, 129-41.3. E, FEB.18.1981, 11.30 KST, DEPTH 210 , COLOR 2, TRANS. 13.0,
WAVE 2, SWELL 1, WIND W 4, BARO 1022. , AIR TEMP. DRY 6.1, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	8.90	34.200	*****	0	8.90	34.200	*****	26.53	151	151	.0000
10	8.85	34.180	*****	10	8.85	34.180	*****	26.52	152	152	.0152
20	8.56	34.200	*****	20	8.56	34.200	*****	26.58	146	146	.0301
30	6.72	34.060	*****	30	6.72	34.060	*****	26.74	131	131	.0441
50	5.31	34.060	*****	50	5.31	34.060	*****	26.92	114	115	.0688
75	3.71	34.030	*****	75	3.71	34.030	*****	27.07	100	100	.0958
100	3.42	34.000	*****	100	3.42	34.000	*****	27.07	100	100	.1210
125	3.00	34.000	*****	125	3.00	34.000	*****	27.11	96	97	.1457
150	2.60	34.000	*****	150	2.60	34.000	*****	27.14	93	93	.1696
200	2.61	33.980	*****	200	2.61	33.980	*****	27.13	94	95	.2169

KOREA ,JI PI SAN , STATION 102-06 , 36-04.6. N, 129-47.8. E, FEB.18.1981, 12.20 KST, DEPTH 700 , COLOR 2, TRANS. 13.0,
WAVE 2, SWELL 2, WIND S 4, BARO 1022. , AIR TEMP. DRY 6.2, WET . , CLOUD. TYPE NS, AMT 6, WEATHER BC,

0	9.85	34.220	*****	0	9.85	34.220	*****	26.39	164	164	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	9.78	34.260	*****							10	9.78	34.260	*****	26.43	160	160	.0163
20	9.50	34.250	*****							20	9.50	34.250	*****	26.47	157	157	.0322
30	8.30	34.210	*****							30	8.30	34.210	*****	26.63	142	142	.0472
50	7.26	34.210	*****							50	7.26	34.210	*****	26.78	127	128	.0742
75	5.80	34.220	*****							75	5.80	34.220	*****	26.98	108	109	.1039
100	3.00	34.080	*****							100	3.00	34.080	*****	27.17	90	90	.1289
125	2.85	34.020	*****							125	2.85	34.020	*****	27.14	93	94	.1520
150	2.80	34.020	*****							150	2.80	34.020	*****	27.14	93	93	.1756
200	2.55	34.020	*****							200	2.55	34.020	*****	27.16	91	92	.2221
250	2.32	34.030	*****							250	2.32	34.030	*****	27.19	88	89	.2675
300	2.11	34.030	*****							300	2.11	34.030	*****	27.21	87	88	.3119
400	1.90	34.060	*****							400	1.90	34.060	*****	27.25	83	84	.3982
500	1.58	34.040	*****							500	1.58	34.040	*****	27.26	82	83	.4823

KOREA , JI 81 SAN , STATION 102-07 , 36-04.6. N, 130-00.0. E, FEB.18.1981, 13.40 KST, DEPTH 1390 , COLOR 2, TRANS. 10.0,

WAVE 2, SWELL 2, WIND S 4, BARO 1021. , AIR TEMP. DRY 6.3, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	11.09	34.340	*****	0	11.09	34.340	*****	26.27	176	176	.0000
10	11.07	34.350	*****	10	11.07	34.350	*****	26.28	175	175	.0176
20	11.06	34.360	*****	20	11.06	34.360	*****	26.29	174	174	.0351
30	11.04	34.340	*****	30	11.04	34.340	*****	26.27	175	176	.0527
50	10.03	34.340	*****	50	10.03	34.340	*****	26.45	159	159	.0863
75	4.70	34.140	*****	75	4.70	34.140	*****	27.05	102	102	.1191
100	4.65	34.110	*****	100	4.65	34.110	*****	27.03	103	104	.1450
125	4.38	34.070	*****	125	4.38	34.070	*****	27.03	104	105	.1712
150	3.85	34.110	*****	150	3.85	34.110	*****	27.12	95	96	.1965

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	3.40	34.020	*****							200	3.40	34.020	*****	27.09	98	99	.2457
250	3.00	34.000	*****							250	3.00	34.000	*****	27.11	96	97	.2950
300	2.73	34.010	*****							300	2.73	34.010	*****	27.14	93	94	.3432
400	2.36	34.030	*****							400	2.36	34.030	*****	27.19	89	90	.4360
500	1.05	34.060	*****							500	1.05	34.060	*****	27.31	77	78	.5204

KOREA ,JI PI SAN , STATION 102-08 , 36-04.6. N, 130-18.4. E, FEB.18.1961, 15.35 KST, DEPTH 1530 , COLCR 2, TRANS. 14.0,
WAVE 2, SWELL 2, WIND W 3, BARO 1020. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE NS, AMT 6, WEATHER RC,

0	11.00	34.320	*****							0	11.00	34.320	*****	26.27	176	176	.0000
10	11.05	34.350	*****							10	11.05	34.350	*****	26.28	175	175	.0176
20	11.10	34.330	*****							20	11.10	34.330	*****	26.26	177	177	.0352
30	10.10	34.360	*****							30	10.10	34.360	*****	26.46	158	158	.0521
50	10.06	34.370	*****							50	10.06	34.370	*****	26.47	157	158	.0838
75	6.02	34.170	*****							75	6.02	34.170	*****	26.92	114	115	.1180
100	5.90	34.080	*****							100	5.90	34.080	*****	26.86	120	121	.1476
125	4.55	34.060	*****							125	4.55	34.060	*****	27.00	106	107	.1762
150	3.80	******	*****							150	3.80	******	*****	*****	***	***	******
200	3.40	34.040	*****							200	3.40	34.040	*****	27.10	97	98	******
250	2.23	34.020	*****							250	2.23	34.020	*****	27.19	88	89	******
300	1.70	34.020	*****							300	1.70	34.020	*****	27.23	85	85	******
400	1.09	34.050	*****							400	1.09	34.050	*****	27.30	78	78	******
500	.96	34.060	*****							500	.96	34.060	*****	27.31	77	77	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 102-09 , 36-04.6. N, 130-36.9. E, FEB.18.1981, 17.25 KST, DEPTH 1880 , COLOR 2, TRANS. 12.0,

WAVE 2, SWELL 2, WIND SE 3, BARO 1020.5, AIR TEMP. DRY 7.1, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	11.13	34.190	*****							0	11.13	34.190	*****	26.14	188	188	.0000
10	11.22	34.160	*****							10	11.22	34.160	*****	26.10	192	192	.0190
20	11.30	******	*****							20	11.30	******	*****	*****	***	***	******
30	10.00	34.180	*****							30	10.00	34.180	*****	26.33	170	170	******
50	9.63	34.160	*****							50	9.63	34.160	*****	26.38	165	166	******
75	5.16	34.130	*****							75	5.16	34.130	*****	26.99	107	108	******
100	4.53	34.130	*****							100	4.53	34.130	*****	27.06	101	101	******
125	4.11	34.140	*****							125	4.11	34.140	*****	27.11	96	97	******
150	3.49	34.130	*****							150	3.49	34.130	*****	27.17	91	91	******
200	2.83	34.090	*****							200	2.83	34.090	*****	27.20	88	89	******
250	1.50	34.070	*****							250	1.50	34.070	*****	27.29	79	80	******
300	1.53	34.060	*****							300	1.53	34.060	*****	27.28	80	81	******
400	.32	34.070	*****							400	.32	34.070	*****	27.36	72	72	******
500	.25	34.060	*****							500	.25	34.060	*****	27.36	73	72	******

KOREA ,JI RI SAN , STATION 102-10 , 36-04.6. N, 130-55.1. E, FEB.18.1981, 19.20 KST, DEPTH 1440 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND SW 3, BARO 1020. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	7.76	34.210	*****							0	7.76	34.210	*****	26.71	134	134	.0000
10	7.65	34.210	*****							10	7.65	34.210	*****	26.73	132	132	.0134
20	6.34	34.190	*****							20	6.34	34.190	*****	26.89	117	117	.0259
30	5.90	34.160	*****							30	5.90	34.160	*****	26.92	114	114	.0374
50	4.50	34.100	*****							50	4.50	34.100	*****	27.04	103	103	.0592

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	3.65	34.030	*****							75	3.65	34.030	*****	27.07	100	100	.0847
100	3.24	34.000	*****							100	3.24	34.000	*****	27.09	98	99	.1096
125	2.41	33.990	*****							125	2.41	33.990	*****	27.15	92	92	.1336
150	2.28	34.020	*****							150	2.28	34.020	*****	27.19	89	89	.1564
200	2.15	34.050	*****							200	2.15	34.050	*****	27.22	85	86	.2004
250	1.49	34.060	*****							250	1.49	34.060	*****	27.28	80	80	.2423
300	1.00	34.060	*****							300	1.00	34.060	*****	27.31	77	77	.2819
400	.75	34.050	*****							400	.75	34.050	*****	27.32	76	76	.3589
500	.62	34.020	*****							500	.62	34.020	*****	27.30	78	78	.4362

KOREA , JEJU-DO SAN , STATION 102-11 , 36-04.6. N, 131-13.6. E, FEB.18.1981, 21.10 KST, DEPTH 1780 , COLOR , TRANS. ,

WAVE 2, SWELL 2, WIND SW 4, BARO 1020. , AIR TEMP. DRY 7.1, WET , CLOUD. TYPE , AMT , WEATHER C ,

0	8.12	34.200	*****	0	8.12	34.200	*****	26.65	140	139	.0000
10	8.10	34.220	*****	10	8.10	34.220	*****	26.67	138	138	.0139
20	8.08	34.220	*****	20	8.08	34.220	*****	26.67	138	138	.0278
30	8.09	34.240	*****	30	8.09	34.240	*****	26.68	136	137	.0415
50	7.90	34.240	*****	50	7.90	34.240	*****	26.71	134	134	.0687
75	8.04	34.220	*****	75	8.04	34.220	*****	26.68	137	138	.1029
100	7.89	34.100	*****	100	7.89	34.100	*****	26.60	144	145	.1385
125	3.39	34.020	*****	125	3.39	34.020	*****	27.09	98	99	.1691
150	3.16	******	*****	150	3.16	******	*****	*****	***	***	******
200	3.06	34.090	*****	200	3.06	34.090	*****	27.18	90	91	******
250	2.31	34.060	*****	250	2.31	34.060	*****	27.22	86	87	******
300	2.10	34.090	*****	300	2.10	34.090	*****	27.26	82	83	******
400	1.36	34.050	*****	400	1.36	34.050	*****	27.28	80	80	******
500	.82	34.130	*****	500	.82	34.130	*****	27.38	71	71	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월(April)

KOREA ,JI PI SAN , STATION 102-04 , 36-04.6. N, 129-36.9. E, APR. 8.1981, 00.40 KST, DEPTH 52 , COLOR , TRANS. .

WAVE 1, SWELL 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.10	34.430	*****	0	11.10	34.430	*****	26.53	170	169	.0000
10	11.20	34.440	*****	10	11.20	34.440	*****	26.52	171	171	.0171
20	10.34	34.410	*****	20	10.34	34.410	*****	26.45	158	159	.0336
30	8.70	34.320	*****	30	8.70	34.320	*****	26.65	139	140	.0485
50	7.25	******	*****	50	7.25	******	*****	*****	***	***	******

KOREA ,JI PI SAN , STATION 102-05 , 36-04.6. N, 129-41.3. E, APR. 8.1981, 01.30 KST, DEPTH 210 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.16	34.360	*****	0	10.16	34.360	*****	26.44	159	159	.0000
10	10.20	34.360	*****	10	10.20	34.360	*****	26.44	160	160	.0160
20	7.90	34.270	*****	20	7.90	34.270	*****	26.74	131	132	.0306
30	7.63	34.250	*****	30	7.63	34.250	*****	26.76	129	129	.0437
50	6.30	34.170	*****	50	6.30	34.170	*****	26.88	118	118	.0685
75	5.75	34.150	*****	75	5.75	34.150	*****	26.93	113	113	.0976
100	4.60	34.090	*****	100	4.60	34.090	*****	27.02	104	105	.1251
125	3.75	34.040	*****	125	3.75	34.040	*****	27.07	100	101	.1509
150	3.35	34.020	*****	150	3.35	34.020	*****	27.09	98	98	.1759
200	3.35	34.020	*****	200	3.35	34.020	*****	27.09	98	99	.2254

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI 9I SAN , STATION 102-06 , 36-04.6. N, 129-47.6. E, APR. 8.1981, 02.30 KST, DEPTH 700 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 3, BARO 1028. , AIR TEMP. DRY 8.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.55	34.130	*****	0	8.55	34.130	*****	26.53	151	151	.0000
10	8.29	34.060	*****	10	8.29	34.060	*****	26.51	153	153	.0152
20	7.89	34.120	*****	20	7.89	34.120	*****	26.62	142	143	.0300
30	6.99	33.970	*****	30	6.99	33.970	*****	26.63	142	142	.0443
50	6.80	34.000	*****	50	6.80	34.000	*****	26.68	137	137	.0723
75	6.70	34.030	*****	75	6.70	34.030	*****	26.72	133	134	.1063
100	6.15	34.040	*****	100	6.15	34.040	*****	26.80	126	127	.1390
125	5.85	34.130	*****	125	5.85	34.130	*****	26.91	115	117	.1696
150	3.23	34.160	*****	150	3.23	34.160	*****	27.22	86	87	.1951
200	3.10	34.130	*****	200	3.10	34.130	*****	27.20	87	88	.2391
250	2.91	34.090	*****	250	2.91	34.090	*****	27.19	89	90	.2838
300	2.80	34.090	*****	300	2.80	34.090	*****	27.20	88	89	.3288
400	1.40	34.070	*****	400	1.40	34.070	*****	27.29	79	79	.4134
500	.98	34.070	*****	500	.98	34.070	*****	27.32	76	76	.4917

KOREA ,JI 9I SAN , STATION 102-07 , 36-04.6. N, 130-00.0. E, APR. 8.1981, 04.00 KST, DEPTH 1390 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 4, BARO 1028. , AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.30	34.190	*****	0	8.30	34.190	*****	26.61	143	143	.0000
10	7.75	34.190	*****	10	7.75	34.190	*****	26.70	135	135	.0140
20	7.60	34.210	*****	20	7.60	34.210	*****	26.73	132	132	.0274
30	6.61	34.170	*****	30	6.61	34.170	*****	26.84	122	122	.0401
50	6.35	34.180	*****	50	6.35	34.180	*****	26.88	118	118	.0642

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	6.25	34.170	*****							75	6.25	34.170	*****	26.89	117	118	.0938
100	6.15	34.160	*****							100	6.15	34.160	*****	26.89	117	118	.1234
125	6.10	34.160	*****							125	6.10	34.160	*****	26.90	116	118	.1529
150	4.05	34.050	*****							150	4.05	34.050	*****	27.05	102	103	.1806
200	2.72	33.990	*****							200	2.72	33.990	*****	27.13	94	95	.2304
250	2.23	34.030	*****							250	2.23	34.030	*****	27.20	88	88	.2766
300	1.60	34.040	*****							300	1.60	34.040	*****	27.26	82	83	.3196
400	.91	34.010	*****							400	.91	34.010	*****	27.28	80	80	.4017
500	.79	34.030	*****							500	.79	34.030	*****	27.30	78	78	.4813

KOREA ,JI DI SAN , STATION 102-08 , 36-04.6. N, 130-18.4. E, APR.11.1981, 10.40 KST, DEPTH 1530 , COLOR 4, TRANS. 14.0,

WAVE 1, SWELL 1, WIND SW 2, BARO 1015. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	9.11	34.140	*****							0	9.11	34.140	*****	26.45	159	159	.0000
10	8.80	34.150	*****							10	8.80	34.150	*****	26.51	153	153	.0156
20	8.50	34.160	*****							20	8.50	34.160	*****	26.56	148	148	.0308
30	8.21	34.200	*****							30	8.21	34.200	*****	26.64	141	141	.0453
50	6.90	34.190	*****							50	6.90	34.190	*****	26.82	124	124	.0720
75	5.51	34.130	*****							75	5.51	34.130	*****	26.95	111	112	.1017
100	5.10	34.090	*****							100	5.10	34.090	*****	26.96	110	111	.1296
125	3.11	34.030	*****							125	3.11	34.030	*****	27.12	95	95	.1555
150	2.87	34.030	*****							150	2.87	34.030	*****	27.15	93	93	.1792
200	1.66	34.050	*****							200	1.66	34.050	*****	27.26	82	82	.2233
250	1.10	34.050	*****							250	1.10	34.050	*****	27.30	78	78	.2637
300	.80	34.050	*****							300	.80	34.050	*****	27.32	76	76	.3026
400	.55	34.050	*****							400	.55	34.050	*****	27.33	75	75	.3787
500	.51	34.050	*****							500	.51	34.050	*****	27.33	75	75	.4539

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 102-09 , 36-04.6. N, 130-36.9. E, APR.11.1981, 12.40 KST, DEPTH 1880 , COLOR 4, TRANS. 10.0,

WAVE 1, SWELL 2, WIND SW 2, BARO 1013. , AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	9.10	34.190	*****	0	9.10	34.190	*****	26.49	155	155	.0000
10	7.98	34.180	*****	10	7.98	34.180	*****	26.65	139	139	.0147
20	7.95	34.220	*****	20	7.95	34.220	*****	26.69	136	136	.0285
30	7.15	34.210	*****	30	7.15	34.210	*****	26.80	126	126	.0417
50	6.98	34.210	*****	50	6.98	34.210	*****	26.82	123	124	.0668
75	6.13	34.170	*****	75	6.13	34.170	*****	26.90	116	116	.0969
100	5.93	34.170	*****	100	5.93	34.170	*****	26.93	113	114	.1259
125	4.00	34.060	*****	125	4.00	34.060	*****	27.06	101	101	.1530
150	3.20	34.030	*****	150	3.20	34.030	*****	27.12	96	96	.1779
200	2.00	34.040	*****	200	2.00	34.040	*****	27.23	85	86	.2236
250	1.20	34.040	*****	250	1.20	34.040	*****	27.28	80	80	.2652
300	1.21	34.060	*****	300	1.21	34.060	*****	27.30	78	78	.3050
400	.68	34.050	*****	400	.68	34.050	*****	27.32	76	76	.3825
500	.60	34.050	*****	500	.60	34.050	*****	27.33	75	75	.4584

KOREA ,JI PI SAN , STATION 102-10 , 36-04.6. N, 130-55.1. E, APR.11.1981, 14.45 KST, DEPTH 1440 , COLOR 4, TRANS. 10.0,

WAVE 1, SWELL 2, WIND SW 2, BARO 1013. , AIR TEMP. DRY 15.3, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	9.42	34.210	*****	0	9.42	34.210	*****	26.45	158	158	.0000
10	8.05	34.220	*****	10	8.05	34.220	*****	26.67	137	137	.0148
20	6.50	34.190	*****	20	6.50	34.190	*****	26.87	119	119	.0277
30	5.35	34.140	*****	30	5.35	34.140	*****	26.97	109	109	.0391
50	4.55	34.120	*****	50	4.55	34.120	*****	27.05	102	102	.0603
75	3.75	34.100	*****	75	3.75	34.100	*****	27.12	95	96	.0851

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	3.00	34.050	*****							100	3.00	34.050	*****	27.15	92	93	.1087
125	2.99	34.040	*****							125	2.99	34.040	*****	27.14	93	93	.1321
150	1.98	34.040	*****							150	1.98	34.040	*****	27.23	85	85	.1546
200	1.60	34.040	*****							200	1.60	34.040	*****	27.26	82	83	.1968
250	1.15	34.050	*****							250	1.15	34.050	*****	27.29	79	79	.2374
300	.82	34.040	*****							300	.82	34.040	*****	27.31	77	77	.2766
400	.57	34.050	*****							400	.57	34.050	*****	27.33	75	75	.3532
500	.35	34.070	*****							500	.35	34.070	*****	27.36	72	72	.4271

KOREA ,JI PI SAN , STATION 102-11 , 36-04.6. N, 131-13.6. E, APR.11.1981, 16.45 KST, DEPTH 1780 , COLOR 4, TRANS. 8.0,

WAVE 1, SWELL 1, WIND SW 4, BARO 1013. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	8.55	34.170	*****							0	8.55	34.170	*****	26.56	148	148	.0000
10	7.42	34.170	*****							10	7.42	34.170	*****	26.73	132	132	.0141
20	6.50	34.170	*****							20	6.50	34.170	*****	26.85	120	120	.0267
30	4.30	34.090	*****							30	4.30	34.090	*****	27.05	101	101	.0379
50	3.75	34.060	*****							50	3.75	34.060	*****	27.09	98	98	.0579
75	2.87	34.030	*****							75	2.87	34.030	*****	27.15	93	93	.0820
100	2.72	34.010	*****							100	2.72	34.010	*****	27.14	93	93	.1054
125	2.25	34.040	*****							125	2.25	34.040	*****	27.21	87	87	.1280
150	1.46	34.050	*****							150	1.46	34.050	*****	27.27	81	81	.1492
200	1.05	34.060	*****							200	1.05	34.060	*****	27.31	77	77	.1889
250	.72	34.050	*****							250	.72	34.050	*****	27.32	76	76	.2274
300	.55	34.060	*****							300	.55	34.060	*****	27.34	74	74	.2651
400	.41	34.060	*****							400	.41	34.060	*****	27.35	74	73	.3392
500	.41	34.060	*****							500	.41	34.060	*****	27.35	74	73	.4128

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA , JI DI SAN , STATION 102-04 , 36-04.6. N, 129-36.9. E, JUN. 9.1981, 14.30 KST, DEPTH 52 , COLOR 2, TRANS. 17.0,
WAVE , SWELL , WIND NE 2, BARO 1018. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE , AMT 6, WEATHER RC,

0	14.27	34.200	*****	0	14.27	34.200	*****	25.53	246	246	.0000
10	13.25	34.210	*****	10	13.25	34.210	*****	25.75	225	225	.0236
20	9.12	34.180	*****	20	9.12	34.180	*****	26.48	156	156	.0427
30	7.99	34.190	*****	30	7.99	34.190	*****	26.66	139	139	.0575
50	7.10	34.140	*****	50	7.10	34.140	*****	26.75	130	131	.0846

KOREA , JI DI SAN , STATION 102-05 , 36-04.6. N, 129-41.3. E, JUN. 9.1981, 13.35 KST, DEPTH 210 , COLOR 2, TRANS. 16.0,
WAVE 1, SWELL 1, WIND NE 1, BARO 1018. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	15.33	34.200	*****	0	15.33	34.200	*****	25.30	268	267	.0000
10	14.35	34.200	*****	10	14.35	34.200	*****	25.51	248	247	.0258
20	12.70	34.220	*****	20	12.70	34.220	*****	25.87	214	214	.0489
30	10.25	34.130	*****	30	10.25	34.130	*****	26.25	178	178	.0686
50	8.31	34.140	*****	50	8.31	34.140	*****	26.57	147	148	.1012
75	7.00	34.210	*****	75	7.00	34.210	*****	26.82	124	125	.1354
100	5.75	34.200	*****	100	5.75	34.200	*****	26.97	109	110	.1648
125	3.12	34.200	*****	125	3.12	34.200	*****	27.26	82	83	.1890
150	2.75	34.200	*****	150	2.75	34.200	*****	27.29	79	79	.2094
200	1.65	34.180	*****	200	1.65	34.180	*****	27.36	72	72	.2476

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 102-06 , 36-04.6. N, 129-47.8. E, JUN. 9.1981, 12.35 KST, DEPTH 700 , COLOR 2, TRANS. 16.0,																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1017. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	14.87	34.180	*****							0	14.87	34.180	*****	25.39	260	259	.0000
10	13.35	34.230	*****							10	13.35	34.230	*****	25.75	226	226	.0243
20	12.31	34.220	*****							20	12.31	34.220	*****	25.94	207	207	.0460
30	9.13	34.240	*****							30	9.13	34.240	*****	26.52	152	152	.0640
50	7.66	34.240	*****							50	7.66	34.240	*****	26.75	130	131	.0924
75	6.39	34.170	*****							75	6.39	34.170	*****	26.87	119	120	.1238
100	3.74	34.060	*****							100	3.74	34.060	*****	27.09	98	99	.1512
125	3.20	34.050	*****							125	3.20	34.050	*****	27.13	94	95	.1755
150	1.40	33.940	*****							150	1.40	33.940	*****	27.19	89	89	.1985
200	1.35	33.960	*****							200	1.35	33.960	*****	27.21	87	87	.2426
250	1.25	33.960	*****							250	1.25	33.960	*****	27.22	86	86	.2861
300	1.20	34.000	*****							300	1.20	34.000	*****	27.25	83	83	.3287
400	1.15	34.020	*****							400	1.15	34.020	*****	27.27	81	81	.4112
500	1.10	34.030	*****							500	1.10	34.030	*****	27.28	80	80	.4924
KOREA ,JI PI SAN , STATION 102-07 , 36-04.6. N, 130-00.0. E, JUN. 9.1981, 11.00 KST, DEPTH 1390 , COLOR 2, TRANS. 16.0,																	
WAVE 1, SWELL 1, WIND NE 1, BARO 1018. , AIR TEMP. DRY 21.7, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	12.69	33.710	*****							0	12.69	33.710	*****	25.48	251	251	.0000
10	11.58	33.700	*****							10	11.58	33.700	*****	25.68	232	232	.0242
20	10.00	******	*****							20	10.00	******	*****	*****	***	***	******
30	8.56	33.830	*****							30	8.56	33.830	*****	26.29	174	174	******
50	6.34	34.070	*****							50	6.34	34.070	*****	26.80	126	126	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	3.85	34.000	*****							75	3.85	34.000	*****	27.03	104	104	******
100	1.89	33.900	*****							100	1.89	33.900	*****	27.12	95	95	******
125	1.45	33.920	*****							125	1.45	33.920	*****	27.17	90	90	******
150	1.28	33.960	*****							150	1.28	33.960	*****	27.21	86	86	******
200	1.10	34.060	*****							200	1.10	34.060	*****	27.31	78	78	******
250	.90	34.040	*****							250	.90	34.040	*****	27.30	78	78	******
300	.55	34.040	*****							300	.55	34.040	*****	27.32	76	76	******
400	.54	34.040	*****							400	.54	34.040	*****	27.32	76	75	******
500	.52	34.040	*****							500	.52	34.040	*****	27.32	76	75	******

KOREA ,JI RI SAN , STATION 102-08 , 36-04.6. N, 130-18.4. E, JUN. 9.1981, 09.00 KST, DEPTH 1530 , COLOR 2, TRANS. 16.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	15.38	34.140	*****	25.25	273	273	.0000
10	13.30	34.220	*****	25.75	225	225	.0250
20	12.74	34.230	*****	25.87	214	214	.0470
30	11.17	34.230	*****	26.17	186	186	.0670
50	7.90	34.240	*****	26.71	134	134	.0992
75	6.59	34.190	*****	26.86	120	121	.1312
100	5.98	34.120	*****	26.88	118	119	.1612
125	3.48	34.070	*****	27.12	95	96	.1881
150	2.90	34.050	*****	27.16	91	92	.2117
200	1.65	34.050	*****	27.26	82	82	.2555
250	.75	34.040	*****	27.31	77	77	.2955
300	.60	34.060	*****	27.34	75	74	.3336
400	.58	34.040	*****	27.32	76	76	.4091
500	.54	34.050	*****	27.33	75	75	.4848

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 102-09 , 36-04.6. N, 130-36.9. E, JUN. 9,1981, 06.55 KST, DEPTH 1880 , COLOR 3, TRANS. 12.0,																	
WAVE , SWELL , WIND NW 2, BARO 1017. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT 8, WEATHER C ,																	
0	15.48	33.610	*****							0	15.48	33.610	*****	24.82	314	314	.0000
10	13.50	33.810	*****							10	13.50	33.810	*****	25.39	259	259	.0287
20	12.97	33.960	*****							20	12.97	33.960	*****	25.61	238	238	.0536
30	12.36	34.100	*****							30	12.36	34.100	*****	25.84	216	217	.0764
50	7.00	34.330	*****							50	7.00	34.330	*****	26.91	115	115	.1098
75	4.92	34.250	*****							75	4.92	34.250	*****	27.11	96	96	.1363
100	3.49	34.200	*****							100	3.49	34.200	*****	27.22	85	86	.1592
125	2.54	34.130	*****							125	2.54	34.130	*****	27.25	82	83	.1804
150	2.19	34.090	*****							150	2.19	34.090	*****	27.25	83	83	.2013
200	1.69	34.060	*****							200	1.69	34.060	*****	27.26	81	82	.2427
250	.88	34.050	*****							250	.88	34.050	*****	27.31	77	77	.2826
300	.78	34.040	*****							300	.78	34.040	*****	27.31	77	77	.3214
400	.75	34.030	*****							400	.75	34.030	*****	27.30	78	78	.3992
500	.57	34.030	*****							500	.57	34.030	*****	27.31	77	76	.4767
KOREA ,JI PI SAN , STATION 102-10 , 36-04.6. N, 130-55.1. E, JUN. 9,1981, 04.55 KST, DEPTH 1440 , COLOR , TRANS. . ,																	
WAVE , SWELL , WIND NW 2, BARO 1017. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT 7, WEATHER C ,																	
0	15.30	33.600	*****							0	15.30	33.600	*****	24.85	311	311	.0000
10	14.20	33.810	*****							10	14.20	33.810	*****	25.25	273	273	.0292
20	11.99	33.900	*****							20	11.99	33.900	*****	25.76	224	225	.0542
30	10.25	34.100	*****							30	10.25	34.100	*****	26.23	180	180	.0745
50	9.12	34.350	*****							50	9.12	34.350	*****	26.61	143	144	.1070
75	7.00	34.260	*****							75	7.00	34.260	*****	26.86	120	121	.1402

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	6.95	34.190	*****							100	6.95	34.190	*****	26.81	125	126	.1712
125	5.16	34.130	*****							125	5.16	34.130	*****	26.99	107	109	.2006
150	4.17	34.070	*****							150	4.17	34.070	*****	27.05	102	103	.2271
200	2.11	34.050	*****							200	2.11	34.050	*****	27.22	85	86	.2745
250	2.00	34.040	*****							250	2.00	34.040	*****	27.23	85	86	.3176
300	1.02	34.050	*****							300	1.02	34.050	*****	27.30	78	78	.3586
400	.84	34.000	*****							400	.84	34.000	*****	27.27	81	81	.4384
500	.48	34.030	*****							500	.48	34.030	*****	27.32	76	76	.5171

KOREA , 01 01 SAN , STATION 102-11 , 36-04.6. N, 131-13.6. E, JUN. 9,1981, 02.50 KST, DEPTH 1780 , COLOR , TRANS. . ,

WAVE , SWELL , WIND SE 3, BARO 1017. , AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	17.40	33.410	*****							0	17.40	33.410	*****	24.22	371	370	.0000
10	15.60	33.610	*****							10	15.60	33.610	*****	24.79	317	317	.0344
20	14.98	34.090	*****							20	14.98	34.090	*****	25.29	268	269	.0637
30	14.00	34.070	*****							30	14.00	34.070	*****	25.49	250	251	.0897
50	13.71	34.200	*****							50	13.71	34.200	*****	25.65	235	236	.1384
75	12.43	34.200	*****							75	12.43	34.200	*****	25.91	210	212	.1945
100	11.00	34.450	*****							100	11.00	34.450	*****	26.37	167	168	.2422
125	8.20	34.270	*****							125	8.20	34.270	*****	26.69	136	138	.2806
150	5.20	34.130	*****							150	5.20	34.130	*****	26.98	108	109	.3116
200	3.90	34.090	*****							200	3.90	34.090	*****	27.10	97	99	.3639
250	2.83	34.040	*****							250	2.83	34.040	*****	27.16	92	93	.4120
300	1.00	34.000	*****							300	1.00	34.000	*****	27.26	81	82	.4559
400	.93	34.040	*****							400	.93	34.040	*****	27.30	78	78	.5362
500	.60	34.030	*****							500	.60	34.030	*****	27.31	77	77	.6141

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,JI RI SAN , STATION 102-04 , 36-04.6. N, 129-36.9. E, AUG. 7.1981, 14.00 KST, DEPTH 52 , COLOR 3, TRANS. 15.0,

WAVE 1, SWELL 1, WIND SW 4, BARO 1002.5, AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	21.54	33.270	*****	0	21.54	33.270	*****	23.05	482	482	.0000
10	21.30	33.260	*****	10	21.30	33.260	*****	23.11	477	477	.0480
20	21.18	33.260	*****	20	21.18	33.260	*****	23.14	473	474	.0955
30	13.61	33.640	*****	30	13.61	33.640	*****	25.24	274	274	.1330
50	8.05	33.840	*****	50	8.05	33.840	*****	26.38	166	166	.1771

KOREA ,JI RI SAN , STATION 102-05 , 36-04.6. N, 129-41.3. E, AUG. 7.1981, 13.05 KST, DEPTH 210 , COLOR 4, TRANS. 17.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1003.5, AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE NS, AMT 6, WEATHER BC,

0	22.10	33.480	*****	0	22.10	33.480	*****	23.06	482	481	.0000
10	15.95	33.520	*****	10	15.95	33.520	*****	24.64	331	331	.0406
20	12.75	33.630	*****	20	12.75	33.630	*****	25.40	258	258	.0701
30	8.29	34.160	*****	30	8.29	34.160	*****	26.59	145	145	.0904
50	7.75	34.170	*****	50	7.75	34.170	*****	26.68	137	137	.1188
75	6.21	34.130	*****	75	6.21	34.130	*****	26.86	120	120	.1511
100	4.43	34.040	*****	100	4.43	34.040	*****	27.00	106	107	.1797
125	3.00	34.000	*****	125	3.00	34.000	*****	27.11	96	97	.2053
150	2.91	34.090	*****	150	2.91	34.090	*****	27.19	89	89	.2286
205	2.67	34.020	*****	200	2.69	34.026	*****	27.16	92	92	.2742

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 102-06 , 36-04.6. N, 129-47.8. E, AUG. 7.1981, 12.05 KST, DEPTH 700 , COLOR 4, TRANS. 18.0,
WAVE 1, SWELL 1, WIND SE 2, BARO 1004. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	20.15	33.500	*****	0	20.15	33.500	*****	23.60	430	430	.0000
10	18.60	33.630	*****	10	18.60	33.630	*****	24.10	383	383	.0407
20	13.75	33.990	*****	20	13.75	33.990	*****	25.48	251	251	.0724
30	9.05	34.060	*****	30	9.05	34.060	*****	26.40	164	164	.0932
50	6.71	34.070	*****	50	6.71	34.070	*****	26.75	130	131	.1228
75	4.89	34.000	*****	75	4.89	34.000	*****	26.92	114	115	.1536
100	2.88	33.960	*****	100	2.88	33.960	*****	27.09	98	98	.1804
125	2.80	33.960	*****	125	2.80	33.960	*****	27.10	97	98	.2051
150	1.72	33.990	*****	150	1.72	33.990	*****	27.21	87	87	.2283
200	1.58	34.020	*****	200	1.58	34.020	*****	27.24	84	84	.2713
250	1.20	34.020	*****	250	1.20	34.020	*****	27.27	81	81	.3129
300	.80	34.010	*****	300	.80	34.010	*****	27.28	80	79	.3533
400	.47	34.060	*****	400	.47	34.060	*****	27.34	74	74	.4303
500	.36	34.030	*****	500	.36	34.030	*****	27.33	76	75	.5050

KOREA ,JI RI SAN , STATION 102-07 , 36-04.6. N, 130-00.0. E, AUG. 7.1981, 10.30 KST, DEPTH 1390 , COLOR 3, TRANS. 18.0,
WAVE 1, SWELL 1, WIND SW 3, BARO 1005. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	20.30	33.590	*****	0	20.30	33.590	*****	23.63	427	427	.0000
10	17.37	33.760	*****	10	17.37	33.760	*****	24.50	345	344	.0386
20	12.07	34.010	*****	20	12.07	34.010	*****	25.83	218	218	.0668
30	8.05	33.970	*****	30	8.05	33.970	*****	26.48	156	156	.0855
50	5.68	34.000	*****	50	5.68	34.000	*****	26.82	123	123	.1136

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	4.84	34.060	*****							75	4.84	34.060	*****	26.97	109	110	.1429
100	3.38	34.000	*****							100	3.38	34.000	*****	27.07	99	100	.1692
125	2.60	33.960	*****							125	2.60	33.960	*****	27.11	96	96	.1938
150	2.27	33.980	*****							150	2.27	33.980	*****	27.16	92	92	.2175
200	1.74	34.000	*****							200	1.74	34.000	*****	27.21	86	87	.2624
250	1.22	34.010	*****							250	1.22	34.010	*****	27.26	82	82	.3048
300	.86	34.000	*****							300	.86	34.000	*****	27.27	81	81	.3458
400	.74	34.020	*****							400	.74	34.020	*****	27.30	78	78	.4257
500	.62	34.010	*****							500	.62	34.010	*****	27.30	79	78	.5045

KOREA ,JI RI SAN , STATION 102-08 , 36-04.6. N, 130-18.4. E, AUG. 7,1981, 08.30 KST, DEPTH 1530 , COLOR 4, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SW 3, BARO 1005. , AIR TEMP. DRY 21.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	21.04	******	*****							0	21.04	******	*****	*****	***	***	.0000
10	20.90	33.530	*****							10	20.90	33.530	*****	23.42	447	447	******
20	14.60	34.110	*****							20	14.60	34.110	*****	25.39	259	259	******
30	10.70	34.110	*****							30	10.70	34.110	*****	26.16	187	187	******
50	6.37	34.120	*****							50	6.37	34.120	*****	26.83	122	123	******
75	4.73	34.050	*****							75	4.73	34.050	*****	26.98	109	109	******
100	3.33	34.010	*****							100	3.33	34.010	*****	27.09	98	99	******
125	2.40	33.950	*****							125	2.40	33.950	*****	27.12	95	95	******
150	1.50	33.920	*****							150	1.50	33.920	*****	27.17	91	91	******
200	1.26	33.940	*****							200	1.26	33.940	*****	27.20	88	88	******
250	1.20	33.980	*****							250	1.20	33.980	*****	27.23	84	84	******
300	.72	33.990	*****							300	.72	33.990	*****	27.27	81	80	******
400	.65	34.010	*****							400	.65	34.010	*****	27.29	79	78	******
500	.50	33.930	*****							500	.50	33.930	*****	27.24	84	83	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 102-09 , 36-04.6. N, 130-36.9. E, AUG. 7.1981, 06.25 KST, DEPTH 1880 , COLOR 4, TRANS. 17.0,																	
WAVE 1, SWELL 1, WIND SE 4, BARO 1005. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,																	
0	21.85	33.980	*****							0	21.85	33.980	*****	23.51	439	439	.0000
10	18.75	33.980	*****							10	18.75	33.980	*****	24.33	361	361	.0400
20	12.16	33.990	*****							20	12.16	33.990	*****	25.79	221	221	.0692
30	10.80	34.000	*****							30	10.80	34.000	*****	26.05	196	197	.0901
50	8.47	34.000	*****							50	8.47	34.000	*****	26.44	160	160	.1259
75	4.70	34.010	*****							75	4.70	34.010	*****	26.95	112	112	.1601
100	3.68	34.010	*****							100	3.68	34.010	*****	27.05	101	102	.1869
125	2.20	33.960	*****							125	2.20	33.960	*****	27.15	93	93	.2114
150	2.00	33.950	*****							150	2.00	33.950	*****	27.15	92	92	.2346
200	1.80	33.940	*****							200	1.80	33.940	*****	27.16	91	92	.2808
250	1.60	34.060	*****							250	1.60	34.060	*****	27.27	81	81	.3243
300	.95	34.050	*****							300	.95	34.050	*****	27.31	77	77	.3642
400	.76	34.020	*****							400	.76	34.020	*****	27.29	79	78	.4426
500	.58	34.030	*****							500	.58	34.030	*****	27.31	77	76	.5206
KOREA ,JI RI SAN , STATION 102-10 , 36-04.6. N, 130-55.1. E, AUG. 7.1981, 04.25 KST, DEPTH 1440 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 2, WIND SE 4, BARO 1004.5, AIR TEMP. DRY 22.5, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	22.30	33.290	*****							0	22.30	33.290	*****	22.86	501	500	.0000
10	13.87	33.860	*****							10	13.87	33.860	*****	25.35	263	263	.0382
20	8.54	34.110	*****							20	8.54	34.110	*****	26.51	153	153	.0590
30	4.80	34.000	*****							30	4.80	34.000	*****	26.93	113	113	.0724
50	3.90	******	*****							50	3.90	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	3.12	******	*****							75	3.12	******	*****	*****	***	***	******
100	2.95	******	*****							100	2.95	******	*****	*****	***	***	******
125	2.52	33.970	*****							125	2.52	33.970	*****	27.13	94	95	******
150	1.85	33.950	*****							150	1.85	33.950	*****	27.16	91	91	******
200	1.35	33.960	*****							200	1.35	33.960	*****	27.21	87	87	******
250	1.13	33.930	*****							250	1.13	33.930	*****	27.20	88	88	******
300	.95	33.980	*****							300	.95	33.980	*****	27.25	83	83	******
400	.78	33.990	*****							400	.78	33.990	*****	27.27	81	81	******
500	.50	33.990	*****							500	.50	33.990	*****	27.29	79	79	******

KOREA , JI PI SAN , STATION 102-11 , 36-04.6. N, 131-13.6. E, AUG. 7.1981, 02.20 KST, DEPTH 1780 , COLOR , TRANS. . .

WAVE 2, SWELL 2, WIND SE 4, BARO 1004.5, AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	22.28	33.150	*****							0	22.28	33.150	*****	22.76	510	510	.0000
10	15.40	33.440	*****							10	15.40	33.440	*****	24.70	325	325	.0418
20	9.74	34.050	*****							20	9.74	34.050	*****	26.27	175	175	.0668
30	5.80	34.050	*****							30	5.80	34.050	*****	26.85	121	121	.0817
50	4.55	34.070	*****							50	4.55	34.070	*****	27.01	105	106	.1045
75	4.00	34.070	*****							75	4.00	34.070	*****	27.07	100	100	.1303
100	3.42	34.020	*****							100	3.42	34.020	*****	27.09	98	99	.1553
125	2.30	33.920	*****							125	2.30	33.920	*****	27.11	96	97	.1799
150	2.10	33.870	*****							150	2.10	33.870	*****	27.08	99	99	.2045
200	2.00	33.930	*****							200	2.00	33.930	*****	27.14	93	94	.2529
250	1.62	33.950	*****							250	1.62	33.950	*****	27.18	89	90	.2991
300	1.14	33.990	*****							300	1.14	33.990	*****	27.25	83	83	.3425
400	.78	34.020	*****							400	.78	34.020	*****	27.29	79	79	.4239
500	.50	34.000	*****							500	.50	34.000	*****	27.29	79	78	.5029

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월 (October)

KOREA ,CHUN MA SAN , STATION 102-04 , 36-04.6. N, 129-36.9. E, OCT.15.1981, 08.10 KST, DEPTH 54 , COLOR 3, TRANS. 17.0,

WAVE 2, SWELL 2, WIND SW 5, BARO 1017. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	19.70	33.090	*****	0	19.70	33.090	*****	23.41	448	448	.0000
10	19.61	33.280	*****	10	19.61	33.280	*****	23.57	432	432	.0441
20	19.59	33.590	*****	20	19.59	33.590	*****	23.81	409	410	.0862
30	15.81	34.270	*****	30	15.81	34.270	*****	25.25	273	273	.1204
50	6.59	34.110	*****	50	6.59	34.110	*****	26.79	126	126	.1605

KOREA ,CHUN MA SAN , STATION 102-05 , 36-04.6. N, 129-41.3. E, OCT.15.1981, 09.10 KST, DEPTH 210 , COLOR 3, TRANS. 16.0,

WAVE 2, SWELL 2, WIND SW 5, BARO 1017. , AIR TEMP. DRY 17.6, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	18.50	33.200	*****	0	18.50	33.200	*****	23.79	411	411	.0000
10	18.60	33.360	*****	10	18.60	33.360	*****	23.89	402	402	.0407
20	18.50	33.460	*****	20	18.50	33.460	*****	23.99	393	393	.0805
30	15.94	33.870	*****	30	15.94	33.870	*****	24.91	305	305	.1155
50	10.69	34.290	*****	50	10.69	34.290	*****	26.30	173	174	.1635
75	3.12	34.060	*****	75	3.12	34.060	*****	27.15	93	93	.1970
100	2.71	34.030	*****	100	2.71	34.030	*****	27.16	91	92	.2201
125	2.13	34.040	*****	125	2.13	34.040	*****	27.22	86	86	.2425
150	1.78	34.060	*****	150	1.78	34.060	*****	27.26	82	82	.2637
205	1.51	34.090	*****	200	1.53	34.087	*****	27.30	78	78	.3041

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 102-06 , 36-04.6. N, 129-47.8. E, OCT.16.1981, 09.40 KST, DEPTH 700 , COLOR 4, TRANS. 14.0,

WAVE 2, SWELL 2, WIND NW 5, BARO 1013. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	19.25	32.890	*****							0	19.25	32.890	*****	23.37	452	452	.0000
10	19.15	33.300	*****							10	19.15	33.300	*****	23.71	420	420	.0436
20	19.10	33.540	*****							20	19.10	33.540	*****	23.90	401	401	.0847
30	18.05	33.910	*****							30	18.05	33.910	*****	24.45	349	350	.1223
50	14.60	34.310	*****							50	14.60	34.310	*****	25.55	245	246	.1820
75	6.95	34.210	*****							75	6.95	34.210	*****	26.82	123	124	.2283
100	3.45	34.060	*****							100	3.45	34.060	*****	27.12	96	96	.2559
125	3.10	34.030	*****							125	3.10	34.030	*****	27.12	95	95	.2799
150	2.45	34.070	*****							150	2.45	34.070	*****	27.21	86	87	.3028
200	1.85	34.040	*****							200	1.85	34.040	*****	27.24	84	84	.3458
250	1.65	34.050	*****							250	1.65	34.050	*****	27.26	82	82	.3878
300	1.34	34.060	*****							300	1.34	34.060	*****	27.29	79	79	.4284
400	1.15	34.060	*****							400	1.15	34.060	*****	27.30	78	78	.5077
500	.70	34.170	*****							500	.70	34.170	*****	27.42	67	67	.5807

KOREA ,CHUN MA SAN , STATION 102-07 , 36-04.6. N, 130-00.0. E, OCT.16.1981, 11.40 KST, DEPTH 1390 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 2, WIND NW 5, BARO 1011. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.00	33.630	*****							0	21.00	33.630	*****	23.47	442	442	.0000
10	20.90	33.620	*****							10	20.90	33.620	*****	23.49	440	440	.0441
20	20.98	33.610	*****							20	20.98	33.610	*****	23.46	443	443	.0884
30	20.75	33.650	*****							30	20.75	33.650	*****	23.56	434	435	.1323
50	20.70	33.550	*****							50	20.70	33.550	*****	23.49	440	441	.2200

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	16.60	34.140	*****							75	16.60	34.140	*****	24.97	300	301	.3130
100	8.70	34.210	*****							100	8.70	34.210	*****	26.57	147	149	.3694
125	3.35	34.040	*****							125	3.35	34.040	*****	27.11	96	97	.4003
150	2.60	34.020	*****							150	2.60	34.020	*****	27.16	91	92	.4240
200	1.95	34.040	*****							200	1.95	34.040	*****	27.23	85	85	.4684
250	1.60	34.040	*****							250	1.60	34.040	*****	27.26	82	83	.5107
300	1.25	34.050	*****							300	1.25	34.050	*****	27.29	79	79	.5514
400	.75	34.000	*****							400	.75	34.000	*****	27.28	80	80	.6316
500	.60	34.040	*****							500	.60	34.040	*****	27.32	76	76	.7100

KOREA , CHIN MA SAN , STATION 102-08 , 36-04.6. N, 130-18.4. E, OCT.16.1961, 14.30 KST, DEPTH 1530 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 2, WIND NW 5, BARO 1011. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	22.30	33.440	*****							0	22.30	33.440	*****	22.97	490	490	.0000
10	22.45	33.940	*****							10	22.45	33.940	*****	23.31	458	458	.0474
20	22.10	33.920	*****							20	22.10	33.920	*****	23.39	450	450	.0929
30	22.05	33.860	*****							30	22.05	33.860	*****	23.36	453	453	.1381
50	18.30	******	*****							50	18.30	******	*****	*****	***	***	******
75	16.20	34.150	*****							75	16.20	34.150	*****	25.07	290	292	******
100	6.85	34.140	*****							100	6.85	34.140	*****	26.78	127	128	******
125	3.20	34.040	*****							125	3.20	34.040	*****	27.12	95	95	******
150	3.10	34.020	*****							150	3.10	34.020	*****	27.12	95	96	******
200	2.35	34.050	*****							200	2.35	34.050	*****	27.21	87	88	******
250	1.75	34.040	*****							250	1.75	34.040	*****	27.24	83	84	******
300	1.50	34.030	*****							300	1.50	34.030	*****	27.25	82	83	******
400	.95	34.050	*****							400	.95	34.050	*****	27.31	77	77	******
500	.30	34.050	*****							500	.30	34.050	*****	27.35	74	73	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,CHUN MA SAN , STATION 102-09 , 36-04.6. N, 130-36.9. E, OCT.16.1981, 17.10 KST, DEPTH 1880 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1011. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	21.70	33.700	*****	0	21.70	33.700	*****	23.34	455	455	.0000
10	20.55	33.460	*****	10	20.55	33.460	*****	23.46	443	443	.0449
20	20.45	33.440	*****	20	20.45	33.440	*****	23.48	442	442	.0892
30	20.30	33.520	*****	30	20.30	33.520	*****	23.58	432	433	.1330
50	18.95	34.050	*****	50	18.95	34.050	*****	24.33	360	362	.2126
75	16.70	34.300	*****	75	16.70	34.300	*****	25.07	290	292	.2944
100	7.20	34.300	*****	100	7.20	34.300	*****	26.86	120	121	.3461
125	5.95	34.120	*****	125	5.95	34.120	*****	26.89	117	119	.3762
150	3.61	34.060	*****	150	3.61	34.060	*****	27.10	97	98	.4034
200	2.30	34.040	*****	200	2.30	34.040	*****	27.20	87	88	.4501
250	1.70	34.040	*****	250	1.70	34.040	*****	27.25	83	83	.4932
300	1.45	34.040	*****	300	1.45	34.040	*****	27.27	81	82	.5347
400	.95	34.050	*****	400	.95	34.050	*****	27.31	77	77	.6148
500	.70	34.050	*****	500	.70	34.050	*****	27.32	76	76	.6920

KOREA ,CHUN MA SAN , STATION 102-10 , 36-04.6. N, 130-55.1. E, OCT.16.1981, 19.50 KST, DEPTH 1440 , COLOR , TRANS.

WAVE 1, SWELL 1, WIND NW 2, BARO 1012. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	21.45	33.740	*****	0	21.45	33.740	*****	23.43	446	445	.0000
10	21.40	33.690	*****	10	21.40	33.690	*****	23.41	448	448	.0447
20	20.85	33.660	*****	20	20.85	33.660	*****	23.54	436	436	.0890
30	20.75	33.690	*****	30	20.75	33.690	*****	23.59	431	432	.1324
50	17.90	34.070	*****	50	17.90	34.070	*****	24.60	334	335	.2093

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	15.80	34.120	*****							75	15.80	34.120	*****	25.14	284	285	.2870
100	7.50	34.060	*****							100	7.50	34.060	*****	26.63	142	143	.3404
125	7.10	34.060	*****							125	7.10	34.060	*****	26.69	136	138	.3758
150	5.80	34.100	*****							150	5.80	34.100	*****	26.89	117	119	.4080
200	3.90	34.040	*****							200	3.90	34.040	*****	27.06	101	103	.4635
250	2.75	34.030	*****							250	2.75	34.030	*****	27.16	92	93	.5127
300	1.70	34.020	*****							300	1.70	34.020	*****	27.23	85	85	.5574
400	1.35	34.050	*****							400	1.35	34.050	*****	27.28	80	80	.6407
500	.80	34.040	*****							500	.80	34.040	*****	27.31	77	77	.7200

KOREA , CHUN MA SAN , STATION 102-11 , 36-04.6. N, 131-13.6. E, OCT.16.1981, 22.30 KST, DEPTH 1780 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 4, BARO 1012. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.60	33.340	*****							0	19.60	33.340	*****	23.62	428	428	.0000
10	19.30	33.290	*****							10	19.30	33.290	*****	23.66	424	424	.0426
20	18.85	33.230	*****							20	18.85	33.230	*****	23.73	418	418	.0848
30	17.90	33.070	*****							30	17.90	33.070	*****	23.84	407	407	.1261
50	12.45	33.820	*****							50	12.45	33.820	*****	25.61	239	240	.1909
75	7.45	34.110	*****							75	7.45	34.110	*****	26.68	137	138	.2382
100	4.95	34.120	*****							100	4.95	34.120	*****	27.01	106	107	.2690
125	3.30	34.020	*****							125	3.30	34.020	*****	27.10	97	98	.2947
150	2.45	34.020	*****							150	2.45	34.020	*****	27.17	90	90	.3183
200	1.75	34.020	*****							200	1.75	34.020	*****	27.23	85	85	.3625
250	1.45	34.040	*****							250	1.45	34.040	*****	27.27	81	82	.4044
300	1.15	34.070	*****							300	1.15	34.070	*****	27.31	77	77	.4444
400	.70	34.050	*****							400	.70	34.050	*****	27.32	76	76	.5214
500	.50	34.050	*****							500	.50	34.050	*****	27.33	75	74	.5970

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,JI RI SAN , STATION 102-04 , 36-04.6. N, 129-36.9. E, DEC.18.1981, 11.00 KST, DEPTH 52 , COLOR 7, TRANS. 8.0,

WAVE 1, SWELL 1, WIND NW 5, BARO 1033.5, AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	14.45	34.350	*****						0	14.45	34.350	*****	25.61	239	238	.0000
10	14.48	34.350	*****						10	14.48	34.350	*****	25.60	239	239	.0239
20	14.26	34.350	*****						20	14.26	34.350	*****	25.65	235	235	.0477
30	13.82	34.350	*****						30	13.82	34.350	*****	25.74	226	226	.0708
50	13.71	34.340	*****						50	13.71	34.340	*****	25.76	225	226	.1161

KOREA ,JI RI SAN , STATION 102-05 , 36-04.6. N, 129-41.3. E, DEC.18.1981, 10.15 KST, DEPTH 210 , COLOR 6, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NE 4, BARO 1033.5, AIR TEMP. DRY 12.3, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	16.11	34.360	*****						0	16.11	34.360	*****	25.25	273	272	.0000
10	16.20	34.370	*****						10	16.20	34.370	*****	25.24	274	274	.0274
20	16.37	34.380	*****						20	16.37	34.380	*****	25.21	277	277	.0550
30	15.87	34.370	*****						30	15.87	34.370	*****	25.31	267	267	.0823
50	15.81	34.290	*****						50	15.81	34.290	*****	25.26	271	272	.1363
75	15.46	34.280	*****						75	15.46	34.280	*****	25.33	265	266	.2038
100	14.89	34.260	*****						100	14.89	34.260	*****	25.44	254	257	.2693
125	3.50	34.380	*****						125	3.50	34.380	*****	27.37	72	73	.3106
150	3.15	34.240	*****						150	3.15	34.240	*****	27.29	79	80	.3298
205	2.95	34.240	*****						200	2.97	34.240	*****	27.30	78	79	.3697

KOREA ,JI RI SAN , STATION 102-06 , 36-04.6. N, 129-47.8. E, DEC.18.1981, 09.25 KST, DEPTH 700 , COLOR 6, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NW 5, BARO 1035. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	16.45	34.330	*****						0	16.45	34.330	*****	25.15	282	282	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.50	34.340	*****							10	16.50	34.340	*****	25.14	283	283	.0283
20	16.50	34.340	*****							20	16.50	34.340	*****	25.14	283	283	.0566
30	16.49	34.350	*****							30	16.49	34.350	*****	25.15	282	282	.0849
50	16.51	34.350	*****							50	16.51	34.350	*****	25.15	282	283	.1416
75	14.70	34.290	*****							75	14.70	34.290	*****	25.51	248	250	.2084
100	12.10	34.300	*****							100	12.10	34.300	*****	26.05	197	199	.2646
125	2.85	33.990	*****							125	2.85	33.990	*****	27.12	96	96	.3016
150	2.50	33.970	*****							150	2.50	33.970	*****	27.13	94	95	.3256
200	1.91	33.970	*****							200	1.91	33.970	*****	27.18	90	90	.3721
250	1.45	33.990	*****							250	1.45	33.990	*****	27.23	85	85	.4162
300	1.10	33.990	*****							300	1.10	33.990	*****	27.25	83	83	.4585
400	.80	33.980	*****							400	.80	33.980	*****	27.26	82	82	.5414
500	.80	34.000	*****							500	.80	34.000	*****	27.28	80	80	.6229

KOPEA ,JI PI SAN , STATION 102-07 , 36-04.6. N, 130-00.0. E, DEC.18.1981, 08.00 KST, DEPTH 1390 , COLOR 6, TRANS. 11.0,

WAVE 1, SWELL 1, WIND NW 5, BARO 1034. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	15.98	34.340	*****							0	15.98	34.340	*****	25.26	271	271	.0000
10	15.60	34.350	*****							10	15.60	34.350	*****	25.36	262	262	.0267
20	16.00	34.350	*****							20	16.00	34.350	*****	25.27	271	271	.0535
30	16.00	34.360	*****							30	16.00	34.360	*****	25.27	270	271	.0806
50	16.70	34.350	*****							50	16.70	34.350	*****	25.11	286	288	.1366
75	16.56	34.330	*****							75	16.56	34.330	*****	25.12	285	287	.2085
100	14.00	34.300	*****							100	14.00	34.300	*****	25.67	233	236	.2739
125	6.40	34.130	*****							125	6.40	34.130	*****	26.84	122	123	.3189
150	2.45	33.980	*****							150	2.45	33.980	*****	27.14	93	94	.3461

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	2.35	33.990	*****							200	2.35	33.990	*****	27.16	92	92	.3928
250	2.30	34.000	*****							250	2.30	34.000	*****	27.17	90	91	.4389
300	1.12	34.000	*****							300	1.12	34.000	*****	27.26	82	82	.4825
400	.83	33.990	*****							400	.83	33.990	*****	27.27	81	81	.5648
500	.70	34.000	*****							500	.70	34.000	*****	27.28	80	80	.6457

KOREA ,JI PI SAN , STATION 102-08 , 36-04.6. N, 130-18.4. E, DEC.18.1981, 06.10 KST, DEPTH 1530 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NW 3, BARO 1034. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYRE , AMT , WEATHER B ,

0	16.06	34.320	*****							0	16.06	34.320	*****	25.23	275	274	.0000
10	16.65	34.330	*****							10	16.65	34.330	*****	25.10	287	287	.0281
20	16.57	34.320	*****							20	16.57	34.320	*****	25.11	286	286	.0568
30	16.71	34.340	*****							30	16.71	34.340	*****	25.10	287	288	.0855
50	16.54	34.330	*****							50	16.54	34.330	*****	25.13	284	286	.1430
75	16.32	34.320	*****							75	16.32	34.320	*****	25.17	280	282	.2141
100	16.00	34.310	*****							100	16.00	34.310	*****	25.24	274	277	.2840
125	15.96	34.280	*****							125	15.96	34.280	*****	25.22	275	279	.3535
150	9.52	34.190	*****							150	9.52	34.190	*****	26.42	161	164	.4090
200	3.76	34.030	*****							200	3.76	34.030	*****	27.06	101	102	.4758
250	2.02	34.000	*****							250	2.02	34.000	*****	27.19	88	89	.5237
300	1.49	33.990	*****							300	1.49	33.990	*****	27.22	85	86	.5677
400	1.29	33.990	*****							400	1.29	33.990	*****	27.24	84	84	.6533
500	.87	34.000	*****							500	.87	34.000	*****	27.27	81	81	.7364

KOREA ,JI PI SAN , STATION 102-09 , 36-04.6. N, 130-36.9. E, DEC.18.1981, 04.15 KST, DEPTH 1880 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NW 3, BARO 1034. , AIR TEMP. DRY 10.7, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.09	34.300	*****							0	16.09	34.300	*****	25.21	277	276	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.70	34.320	*****							10	16.70	34.320	*****	25.08	289	289	.0283
20	16.54	34.330	*****							20	16.54	34.330	*****	25.13	284	285	.0570
30	16.71	34.320	*****							30	16.71	34.320	*****	25.08	289	289	.0858
50	16.70	34.400	*****							50	16.70	34.400	*****	25.14	283	284	.1432
75	16.65	34.330	*****							75	16.65	34.330	*****	25.10	287	289	.2149
100	16.60	34.320	*****							100	16.60	34.320	*****	25.11	286	289	.2872
125	16.59	34.330	*****							125	16.59	34.330	*****	25.12	285	289	.3596
150	14.25	34.280	*****							150	14.25	34.280	*****	25.60	240	243	.4262
200	8.56	34.170	*****							200	8.56	34.170	*****	26.56	148	152	.5252
250	3.06	34.010	*****							250	3.06	34.010	*****	27.11	96	97	.5877
300	1.65	33.990	*****							300	1.65	33.990	*****	27.21	86	87	.6340
400	1.32	33.990	*****							400	1.32	33.990	*****	27.23	84	85	.7203
500	.98	34.000	*****							500	.98	34.000	*****	27.27	81	82	.8039

KOREA , JI RI SAN , STATION 102-10 , 36-04.6. N, 130-55.1. E, DEC.18.1981, 02.25 KST, DEPTH 1440 , COLOR , TRANS. , ,

WAVE 1, SWELL 1, WIND NW 3, BARO 1034. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.12	34.320	*****	0	16.12	34.320 *****	25.22 276 276 .0000
10	16.79	34.320	*****	10	16.79	34.320 *****	25.06 291 291 .0284
20	16.50	34.320	*****	20	16.50	34.320 *****	25.13 284 284 .0572
30	16.82	34.320	*****	30	16.82	34.320 *****	25.05 291 292 .0860
50	16.72	34.320	*****	50	16.72	34.320 *****	25.08 289 290 .1443
75	16.62	34.320	*****	75	16.62	34.320 *****	25.10 287 289 .2168
100	16.59	34.320	*****	100	16.59	34.320 *****	25.11 286 289 .2892
125	16.56	34.310	*****	125	16.56	34.310 *****	25.11 286 290 .3616

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
150	16.49	34.330	*****							150	16.49	34.330	*****	25.14	283	287	.4338
200	13.68	34.250	*****							200	13.68	34.250	*****	25.69	231	235	.5647
250	8.42	34.180	*****							250	8.42	34.180	*****	26.59	146	150	.6613
300	2.56	34.000	*****							300	2.56	34.000	*****	27.15	92	94	.7224
400	1.96	33.990	*****							400	1.96	33.990	*****	27.19	89	90	.8146
500	.94	33.980	*****							500	.94	33.980	*****	27.25	83	83	.9013

KOREA ,JI PI SAN , STATION 102-11 , 36-04.6. N, 131-13.6. E, DEC.18.1981, 00.30 KST, DEPTH 1780 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NW 3, BARO 1035. , AIR TEMP. DRY 10.3. WET . . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.50	34.340	*****	25.14	283	282	.0000
10	16.69	34.330	*****	25.09	288	288	.0286
20	16.60	34.330	*****	25.11	286	286	.0573
30	16.73	34.340	*****	25.09	288	288	.0861
50	16.61	34.340	*****	25.12	285	286	.1436
75	16.51	34.360	*****	25.16	281	283	.2150
100	16.54	34.360	*****	25.15	282	285	.2861
125	16.46	34.360	*****	25.17	280	284	.3573
150	16.14	34.350	*****	25.24	274	278	.4276
200	5.57	34.070	*****	26.89	117	119	.5271
250	1.97	33.940	*****	27.15	92	93	.5803
300	1.66	33.960	*****	27.19	89	89	.6262
400	1.37	33.970	*****	27.22	86	87	.7146
500	1.22	33.990	*****	27.24	84	84	.8005

209선 해양관측 성적

Oceanographic Data. Line 209

2 월(February)

KOREA ,JI RI SAN , STATION 209-04 , 35-47.3. N, 129-32.8. E, FEB.19.1981, 13.40 KST, DEPTH 64 , COLOR 2, TRANS. 8.0,
WAVE 1, SWELL 1, WIND NW 4, BARO 1024. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	12.27	34.470	*****							0	12.27	34.470	*****	26.15	188	187	.0000
10	12.33	34.530	*****							10	12.33	34.530	*****	26.18	184	184	.0186
20	12.23	34.520	*****							20	12.23	34.520	*****	26.19	183	183	.0371
30	12.25	34.560	*****							30	12.25	34.560	*****	26.22	181	181	.0553
50	12.25	34.580	*****							50	12.25	34.580	*****	26.23	179	180	.0915
60	12.28	34.540	*****														

KOREA ,JI RI SAN , STATION 209-05 , 35-45.4. N, 129-38.4. E, FEB.19.1981, 12.50 KST, DEPTH 150 , COLOR 2, TRANS. 8.0,
WAVE 1, SWELL 1, WIND NW 4, BARO 1024. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	11.51	34.400	*****							0	11.51	34.400	*****	26.23	179	179	.0000
10	11.69	34.450	*****							10	11.69	34.450	*****	26.24	179	179	.0179
20	11.80	34.460	*****							20	11.80	34.460	*****	26.23	180	180	.0359
30	11.73	34.490	*****							30	11.73	34.490	*****	26.26	176	177	.0538
50	10.99	34.390	*****							50	10.99	34.390	*****	26.32	171	172	.0887
75	8.60	34.230	*****							75	8.60	34.230	*****	26.60	145	146	.1285
100	8.19	34.220	*****							100	8.19	34.220	*****	26.65	139	141	.1644
125	6.36	34.150	*****							125	6.36	34.150	*****	26.86	120	121	.1973
145	3.19	34.040	*****														

KOREA ,JI RI SAN , STATION 209-06 , 35-41.3. N, 129-49.0. E, FEB.19.1981, 11.30 KST, DEPTH 250 , COLOR 2, TRANS. 9.0,
WAVE 1, SWELL 1, WIND NW 4, BARO 1024. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	10.61	34.290	*****							0	10.61	34.290	*****	26.31	172	171	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	10.65	34.340	*****							10	10.65	34.340	*****	26.34	169	169	.0171
20	10.65	34.330	*****							20	10.65	34.330	*****	26.34	169	170	.0340
30	10.70	34.310	*****							30	10.70	34.310	*****	26.31	172	172	.0512
50	9.75	34.290	*****							50	9.75	34.290	*****	26.46	158	158	.0843
75	9.48	34.260	*****							75	9.48	34.260	*****	26.48	156	157	.1238
100	9.20	34.230	*****							100	9.20	34.230	*****	26.50	154	155	.1630
125	6.70	34.160	*****							125	6.70	34.160	*****	26.82	124	125	.1981
150	6.42	34.150	*****							150	6.42	34.150	*****	26.85	121	123	.2292
200	5.59	34.120	*****							200	5.59	34.120	*****	26.93	113	115	.2889
245	5.03	34.110	*****														

KOREA ,JI PI SAN , STATION 209-07 , 35-36.8. N, 130-00.3. E, FEB.19.1981, 10.10 KST, DEPTH 250 , COLOR 2, TRANS. 10.0,

WAVE 2, SWELL 2, WIND NW 6, BARO 1021. , AIR TEMP. DRY 6.7, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	10.40	34.170	*****							0	10.40	34.170	*****	26.26	177	177	.0000
10	10.59	34.370	*****							10	10.59	34.370	*****	26.38	166	165	.0172
20	9.99	34.350	*****							20	9.99	34.350	*****	26.47	157	157	.0333
30	9.14	34.320	*****							30	9.14	34.320	*****	26.58	146	146	.0486
50	7.22	34.360	*****							50	7.22	34.360	*****	26.91	115	116	.0749
75	6.99	34.230	*****							75	6.99	34.230	*****	26.84	122	123	.1049
100	4.28	34.220	*****							100	4.28	34.220	*****	27.16	91	92	.1319
125	3.50	34.200	*****							125	3.50	34.200	*****	27.22	85	86	.1543
150	3.17	34.140	*****							150	3.17	34.140	*****	27.21	87	88	.1761
200	2.14	34.070	*****							200	2.14	34.070	*****	27.24	84	84	.2194
245	1.28	34.070	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-08 , 35-30.8. N, 130-16.9. E, FEB.19.1981, 08.20 KST, DEPTH 200 , COLOR 2, TRANS. 10.0,

WAVE 2, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 6.5, WET . , CLOUD. TYPE NS, AMT 7, WEATHER PC,

0	10.51	34.370	*****							0	10.51	34.370	*****	26.39	164	164	.0000
10	10.57	34.420	*****							10	10.57	34.420	*****	26.42	161	161	.0163
20	9.93	34.390	*****							20	9.93	34.390	*****	26.51	153	153	.0321
30	9.28	34.400	*****							30	9.28	34.400	*****	26.62	142	142	.0469
50	7.63	34.400	*****							50	7.63	34.400	*****	26.88	118	119	.0731
75	7.00	34.380	*****							75	7.00	34.380	*****	26.95	111	112	.1021
100	4.51	34.360	*****							100	4.51	34.360	*****	27.25	83	84	.1267
125	3.34	34.330	*****							125	3.34	34.330	*****	27.34	74	75	.1467
150	3.21	34.220	*****							150	3.21	34.220	*****	27.27	81	82	.1664
195	2.29	******	*****														

KOREA ,JI RI SAN , STATION 209-09 , 35-24.4. N, 130-33.5. E, FEB.19.1981, 06.30 KST, DEPTH 150 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 6.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	11.10	34.470	*****							0	11.10	34.470	*****	26.36	167	166	.0000
10	11.16	34.420	*****							10	11.16	34.420	*****	26.31	172	171	.0169
20	11.29	34.400	*****							20	11.29	34.400	*****	26.28	175	175	.0343
30	10.22	34.320	*****							30	10.22	34.320	*****	26.40	163	163	.0513
50	10.20	34.350	*****							50	10.20	34.350	*****	26.43	161	161	.0839
75	10.10	34.350	*****							75	10.10	34.350	*****	26.45	159	160	.1242
100	9.81	34.240	*****							100	9.81	34.240	*****	26.41	162	164	.1649
125	6.55	34.200	*****							125	6.55	34.200	*****	26.87	119	120	.2005
145	5.59	34.180	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-10 , 35-17.8. N, 130-50.0. E, FEB.19.1981, 04.40 KST, DEPTH 140 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 6.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	10.70	34.320	*****							0	10.70	34.320	*****	26.32	171	171	.0000
10	10.68	34.340	*****							10	10.68	34.340	*****	26.34	169	169	.0170
20	9.68	34.330	*****							20	9.68	34.330	*****	26.50	154	154	.0332
30	9.50	34.330	*****							30	9.50	34.330	*****	26.53	151	151	.0485
50	7.82	34.250	*****							50	7.82	34.250	*****	26.73	132	132	.0770
75	7.10	34.220	*****							75	7.10	34.220	*****	26.81	124	125	.1093
100	4.46	34.120	*****							100	4.46	34.120	*****	27.06	101	101	.1378
125	3.58	34.060	*****							125	3.58	34.060	*****	27.10	97	97	.1627
135	3.19	34.070	*****														
KOREA ,JI RI SAN , STATION 209-11 , 35-11.4. N, 131-06.6. E, FEB.19.1981, 02.50 KST, DEPTH 140 , COLOR , TRANS. , ,																	
WAVE 2, SWELL 2, WIND NW 4, BARO 1021. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	8.24	34.160	*****							0	8.24	34.160	*****	26.60	144	144	.0000
10	8.34	34.190	*****							10	8.34	34.190	*****	26.61	144	144	.0144
20	7.62	34.170	*****							20	7.62	34.170	*****	26.70	135	135	.0284
30	7.34	34.220	*****							30	7.34	34.220	*****	26.78	128	128	.0416
50	6.38	34.210	*****							50	6.38	34.210	*****	26.90	116	116	.0661
75	5.59	******	*****							75	5.59	******	*****	*****	***	***	******
100	4.81	34.230	*****							100	4.81	34.230	*****	27.11	96	97	******
125	4.39	34.220	*****							125	4.39	34.220	*****	27.15	93	93	******
135	4.05	34.240	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월(April)

KOREA ,JI PI SAN , STATION 209-04 , 35-47.3. N, 129-32.8. E, APR. 7.1981, 22.30 KST, DEPTH 64 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	10.60	34.360	*****	0	10.60	34.360	*****	26.37	166	166	.0000
10	10.38	34.370	*****	10	10.38	34.370	*****	26.41	162	162	.0165
20	9.30	34.330	*****	20	9.30	34.330	*****	26.57	148	148	.0320
30	7.75	34.280	*****	30	7.75	34.280	*****	26.77	129	129	.0459
50	6.50	34.230	*****	50	6.50	34.230	*****	26.90	116	116	.0705
60	6.08	34.200	*****								

KOREA ,JI PI SAN , STATION 209-05 , 35-45.4. N, 129-38.4. E, APR. 7.1981, 21.30 KST, DEPTH 150 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	12.02	34.490	*****	0	12.02	34.490	*****	26.21	182	181	.0000
10	10.20	34.380	*****	10	10.20	34.380	*****	26.45	158	158	.0170
20	9.64	34.340	*****	20	9.64	34.340	*****	26.52	152	152	.0326
30	8.80	34.310	*****	30	8.80	34.310	*****	26.63	142	142	.0474
50	7.02	34.250	*****	50	7.02	34.250	*****	26.85	121	121	.0738
75	6.10	34.200	*****	75	6.10	34.200	*****	26.93	113	114	.1033
100	4.10	34.060	*****	100	4.10	34.060	*****	27.05	102	102	.1305
125	3.44	34.050	*****	125	3.44	34.050	*****	27.11	96	97	.1555
145	3.40	34.050	*****								

KOREA ,JI PI SAN , STATION 209-06 , 35-41.3. N, 129-49.0. E, APR. 7.1981, 20.00 KST, DEPTH 250 , COLOR 3, TRANS. 14.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 12.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.40	34.550	*****	0	13.40	34.550	*****	25.98	203	203	.0000
10	12.85	34.560	*****	10	12.85	34.560	*****	26.10	192	192	.0198

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	12.71	34.580	*****							20	12.71	34.580	*****	26.14	168	188	.0388
30	12.40	34.570	*****							30	12.40	34.570	*****	26.20	183	183	.0574
50	12.10	34.560	*****							50	12.10	34.560	*****	26.25	178	179	.0937
75	8.90	34.160	*****							75	8.90	34.160	*****	26.50	154	155	.1356
100	7.05	34.050	*****							100	7.05	34.050	*****	26.69	136	138	.1723
125	4.00	34.040	*****							125	4.00	34.040	*****	27.05	102	103	.2025
150	3.37	34.040	*****							150	3.37	34.040	*****	27.11	96	97	.2276
200	2.20	34.050	*****							200	2.20	34.050	*****	27.22	86	86	.2737
245	1.33	34.060	*****														

KOREA ,JI PI SAN , STATION 209-07 , 35-36.8. N, 130-00.3. E, APR. 7,1981, 18.30 KST, DEPTH 250 , COLOR 4, TRANS. 14.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1022. , AIR TEMP. DRY 14.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.79	34.590	*****	0	13.79	34.590	*****	25.93	208	207	.0000
10	13.46	34.600	*****	10	13.46	34.600	*****	26.01	201	201	.0204
20	13.11	34.580	*****	20	13.11	34.580	*****	26.06	195	195	.0403
30	13.10	34.600	*****	30	13.10	34.600	*****	26.08	194	194	.0598
50	12.80	34.580	*****	50	12.80	34.580	*****	26.13	189	190	.0984
75	12.30	34.550	*****	75	12.30	34.550	*****	26.20	182	184	.1453
100	12.20	34.590	*****	100	12.20	34.590	*****	26.25	178	180	.1908
125	11.95	34.540	*****	125	11.95	34.540	*****	26.26	177	179	.2358
150	11.50	34.550	*****	150	11.50	34.550	*****	26.35	168	171	.2797
200	10.81	34.520	*****	200	10.81	34.520	*****	26.46	158	162	.3633
245	10.05	34.460	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 209-08 , 35-30.8. N, 130-16.9. E, APR. 7,1981, 16.30 KST, DEPTH 200 , COLOR 4, TRANS. 15.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1023. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.71	34.520	*****	0	12.71	34.520	*****	26.10	192	192	.0000
10	12.40	34.520	*****	10	12.40	34.520	*****	26.16	186	186	.0190
20	12.15	34.500	*****	20	12.15	34.500	*****	26.19	183	183	.0375
30	12.15	34.500	*****	30	12.15	34.500	*****	26.19	183	184	.0559
50	11.54	34.470	*****	50	11.54	34.470	*****	26.28	174	175	.0919
75	10.54	34.430	*****	75	10.54	34.430	*****	26.43	160	162	.1341
100	9.96	34.390	*****	100	9.96	34.390	*****	26.50	154	155	.1739
125	9.19	34.370	*****	125	9.19	34.370	*****	26.61	143	145	.2116
150	7.00	34.270	*****	150	7.00	34.270	*****	26.87	119	121	.2450
195	6.41	34.220	*****								

KOREA ,JI PI SAN , STATION 209-09 , 35-24.4. N, 130-33.5. E, APR. 7,1981, 14.30 KST, DEPTH 150 , COLOR 4, TRANS. 14.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1023. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.40	34.530	*****	0	13.40	34.530	*****	25.97	205	204	.0000
10	12.89	34.520	*****	10	12.89	34.520	*****	26.06	195	195	.0200
20	12.59	34.520	*****	20	12.59	34.520	*****	26.12	190	190	.0394
30	12.15	34.490	*****	30	12.15	34.490	*****	26.18	184	184	.0581
50	11.93	34.490	*****	50	11.93	34.490	*****	26.23	180	181	.0948
75	11.50	34.490	*****	75	11.50	34.490	*****	26.31	172	174	.1392
100	10.46	34.440	*****	100	10.46	34.440	*****	26.46	158	160	.1810
125	8.45	34.350	*****	125	8.45	34.350	*****	26.72	133	135	.2181
145	7.13	34.260	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-10 , 35-17.8. N, 130-50.0. E, APR. 7.1981, 12.30 KST, DEPTH 140 , COLOR 4, TRANS. 14.0,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1023. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	13.00	34.600	*****							0	13.00	34.600	*****	26.10	192	191	.0000
10	12.62	34.600	*****							10	12.62	34.600	*****	26.18	185	184	.0188
20	12.50	34.600	*****							20	12.50	34.600	*****	26.20	182	182	.0372
30	12.34	34.610	*****							30	12.34	34.610	*****	26.24	179	179	.0554
50	11.89	34.580	*****							50	11.89	34.580	*****	26.30	173	174	.0907
75	11.89	34.580	*****							75	11.89	34.580	*****	26.30	173	174	.1343
100	11.89	34.590	*****							100	11.89	34.590	*****	26.31	172	174	.1779
125	10.81	34.510	*****							125	10.81	34.510	*****	26.45	159	161	.2200
135	9.74	34.440	*****														
KOREA ,JI RI SAN , STATION 209-11 , 35-11.4. N, 131-06.6. E, APR. 7.1981, 10.30 KST, DEPTH 140 , COLOR 4, TRANS. 18.0,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER B ,																	
0	12.52	34.620	*****							0	12.52	34.620	*****	26.21	181	181	.0000
10	12.12	34.610	*****							10	12.12	34.610	*****	26.28	175	175	.0178
20	12.06	34.630	*****							20	12.06	34.630	*****	26.31	172	172	.0352
30	11.80	34.610	*****							30	11.80	34.610	*****	26.34	169	169	.0523
50	11.72	34.610	*****							50	11.72	34.610	*****	26.36	167	168	.0862
75	11.70	34.610	*****							75	11.70	34.610	*****	26.36	167	168	.1284
100	11.63	34.600	*****							100	11.63	34.600	*****	26.37	166	169	.1706
125	10.23	34.470	*****							125	10.23	34.470	*****	26.52	152	155	.2111
135	8.96	34.380	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,JI RI SAN , STATION 209-04 , 35-47.3. N, 129-32.8. E, JUN.11.1981, 08.20 KST, DEPTH 64 , COLOR 3, TRANS. 14.0,
WAVE 1, SWELL 1, WIND SW 2, BARO 1010. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE AC, AMT 1, WEATHER B ,

0	15.82	34.090	*****	0	15.82	34.090	*****	25.11	286	286	.0000
10	15.32	34.140	*****	10	15.32	34.140	*****	25.26	272	272	.0279
20	14.55	34.100	*****	20	14.55	34.100	*****	25.40	259	259	.0545
30	12.65	34.110	*****	30	12.65	34.110	*****	25.79	221	222	.0786
50	7.95	34.220	*****	50	7.95	34.220	*****	26.69	136	136	.1145
60	6.95	34.190	*****								

KOREA ,JI RI SAN , STATION 209-05 , 35-45.4. N, 129-38.4. E, JUN.11.1981, 09.15 KST, DEPTH 150 , COLOR 3, TRANS. 14.0,
WAVE 1, SWELL 1, WIND NE 3, BARO 1010. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	15.95	34.060	*****	0	15.95	34.060	*****	25.06	291	291	.0000
10	14.73	34.080	*****	10	14.73	34.080	*****	25.34	264	264	.0278
20	14.65	34.110	*****	20	14.65	34.110	*****	25.38	260	260	.0541
30	9.80	34.240	*****	30	9.80	34.240	*****	26.41	162	163	.0753
50	9.20	34.230	*****	50	9.20	34.230	*****	26.50	154	154	.1070
75	7.75	34.220	*****	75	7.75	34.220	*****	26.72	133	134	.1432
100	5.95	34.160	*****	100	5.95	34.160	*****	26.92	114	115	.1745
125	5.10	34.130	*****	125	5.10	34.130	*****	27.00	107	108	.2025
145	4.40	34.090	*****								

KOREA ,JI RI SAN , STATION 209-06 , 35-41.3. N, 129-49.0. E, JUN.11.1981, 10.45 KST, DEPTH 250 , COLOR 3, TRANS. 13.0,
WAVE 1, SWELL 1, WIND NE 4, BARO 1010. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	16.50	34.140	*****	0	16.50	34.140	*****	24.99	297	297	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	13.35	34.160	*****							10	13.35	34.160	*****	25.69	231	231	.0264
20	11.30	34.190	*****							20	11.30	34.190	*****	26.11	191	191	.0476
30	10.25	34.250	*****							30	10.25	34.250	*****	26.34	169	169	.0656
50	9.00	34.180	*****							50	9.00	34.180	*****	26.50	154	155	.0981
75	8.54	34.250	*****							75	8.54	34.250	*****	26.62	142	143	.1355
100	7.45	34.210	*****							100	7.45	34.210	*****	26.75	130	131	.1699
125	5.54	34.120	*****							125	5.54	34.120	*****	26.94	113	114	.2006
150	2.45	34.010	*****							150	2.45	34.010	*****	27.17	91	91	.2264
200	1.18	33.970	*****							200	1.18	33.970	*****	27.23	85	85	.2707
245	1.15	33.980	*****														

KOREA ,JI RI SAN , STATION 209-07 , 35-36.8. N, 130-00.3. E. JUN.11.1981, 12.15 KST, DEPTH 250 , COLOR 3, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NE 4, BARO 1009. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	15.33	34.170	*****							0	15.33	34.170	*****	25.28	270	270	.0000
10	14.47	34.180	*****							10	14.47	34.180	*****	25.47	251	251	.0261
20	13.10	34.220	*****							20	13.10	34.220	*****	25.79	222	222	.0498
30	11.13	34.220	*****							30	11.13	34.220	*****	26.16	186	186	.0702
50	8.69	34.230	*****							50	8.69	34.230	*****	26.58	146	146	.1036
75	7.30	34.230	*****							75	7.30	34.230	*****	26.79	126	127	.1379
100	6.38	34.180	*****							100	6.38	34.180	*****	26.88	118	119	.1688
125	5.19	34.140	*****							125	5.19	34.140	*****	26.99	107	108	.1974
150	3.29	34.040	*****							150	3.29	34.040	*****	27.11	96	96	.2231
200	1.21	33.930	*****							200	1.21	33.930	*****	27.19	88	88	.2694
245	1.13	33.950	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-08 , 35-30.8. N, 130-16.9. E. JUN.11.1981, 14.15 KST, DEPTH 200 , COLOR 5, TRANS. 11.0,

WAVE 1, SWELL 1, WIND NE 4, BARO 1008. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	15.28	34.160	*****	0	15.28	34.160	*****	25.28	270	269	.0000
10	14.00	34.190	*****	10	14.00	34.190	*****	25.58	241	241	.0256
20	14.00	34.240	*****	20	14.00	34.240	*****	25.62	238	238	.0496
30	9.78	34.250	*****	30	9.78	34.250	*****	26.42	161	161	.0696
50	9.43	34.270	*****	50	9.43	34.270	*****	26.50	154	155	.1013
75	7.14	34.140	*****	75	7.14	34.140	*****	26.74	131	132	.1373
100	5.00	34.080	*****	100	5.00	34.080	*****	26.97	109	110	.1676
125	4.94	34.040	*****	125	4.94	34.040	*****	26.94	112	113	.1956
150	3.72	33.930	*****	150	3.72	33.930	*****	26.99	108	109	.2235
195	1.22	33.950	*****								

KOREA ,JI RI SAN , STATION 209-09 , 35-24.4. N, 130-33.5. E, JUN.11.1981, 16.15 KST, DEPTH 150 , COLOR 5, TRANS. 10.0,

WAVE 1, SWELL 1, WIND NE 5, BARO 1008.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	17.50	33.860	*****	0	17.50	33.860	*****	24.54	340	340	.0000
10	14.59	33.930	*****	10	14.59	33.930	*****	25.26	272	272	.0306
20	14.32	34.080	*****	20	14.32	34.080	*****	25.43	256	256	.0571
30	13.22	34.230	*****	30	13.22	34.230	*****	25.77	223	224	.0811
50	10.69	34.310	*****	50	10.69	34.310	*****	26.31	172	172	.1208
75	6.78	34.150	*****	75	6.78	34.150	*****	26.80	125	126	.1583
100	5.24	34.080	*****	100	5.24	34.080	*****	26.94	112	113	.1883
125	4.28	34.220	*****	125	4.28	34.220	*****	27.16	91	92	.2141
145	3.45	34.190	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI RI SAN , STATION 209-10 , 35-17.8. N, 130-50.0. E, JUN.11.1981, 18.15 KST, DEPTH 140 , COLOR 5, TRANS. 8.0,																	
WAVE 1, SWELL 1, WIND NE 5, BARO 1009. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,																	
0	16.99	33.830	*****							0	16.99	33.830	*****	24.64	331	331	.0000
10	15.00	33.910	*****							10	15.00	33.910	*****	25.15	282	282	.0307
20	14.12	33.930	*****							20	14.12	33.930	*****	25.36	263	263	.0580
30	13.33	34.260	*****							30	13.33	34.260	*****	25.77	223	223	.0823
50	11.12	34.320	*****							50	11.12	34.320	*****	26.24	178	179	.1227
75	7.00	34.240	*****							75	7.00	34.240	*****	26.84	122	122	.1605
100	5.16	34.100	*****							100	5.16	34.100	*****	26.97	110	111	.1897
125	4.58	34.200	*****							125	4.58	34.200	*****	27.11	96	97	.2158
135	3.41	34.190	*****														
KOREA ,JI RI SAN , STATION 209-11 , 35-11.4. N, 131-06.6. E, JUN.11.1981, 20.15 KST, DEPTH 140 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NE 5, BARO 1009. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER P ,																	
0	18.52	33.580	*****							0	18.52	33.580	*****	24.08	384	384	.0000
10	17.77	33.630	*****							10	17.77	33.630	*****	24.30	363	363	.0374
20	16.81	34.010	*****							20	16.81	34.010	*****	24.82	314	314	.0713
30	16.51	34.130	*****							30	16.51	34.130	*****	24.98	298	299	.1020
50	16.01	34.190	*****							50	16.01	34.190	*****	25.14	283	284	.1604
75	15.12	34.250	*****							75	15.12	34.250	*****	25.39	260	261	.2287
100	14.99	34.320	*****							100	14.99	34.320	*****	25.47	252	254	.2933
125	14.72	34.460	*****							125	14.72	34.460	*****	25.64	236	239	.3551
135	14.12	34.530	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,JI RI SAN , STATION 209-04 , 35-47.3. N, 129-32.8. E, AUG. 8.1981, 11.50 KST, DEPTH 64 , COLOR 3, TRANS. 16.0,
WAVE 1, SWELL 1, WIND S 2, BARO 1004. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	25.27	33.430	*****	0	25.27	33.430	*****	22.10	574	573	.0000
10	24.52	33.480	*****	10	24.52	33.480	*****	22.36	548	548	.0561
20	14.42	33.690	*****	20	14.42	33.690	*****	25.11	286	286	.0979
30	9.45	33.840	*****	30	9.45	33.840	*****	26.16	186	187	.1216
50	8.48	33.880	*****	50	8.48	33.880	*****	26.34	169	169	.1573
60	7.80	33.880	*****								

KOREA ,JI RI SAN , STATION 209-05 , 35-45.4. N, 129-38.4. E, AUG. 8.1981, 12.40 KST, DEPTH 150 , COLOR 3, TRANS. 17.0,
WAVE 1, SWELL 1, WIND S 3, BARO 1003. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	22.79	33.100	*****	0	22.79	33.100	*****	22.58	528	527	.0000
10	21.92	33.590	*****	10	21.92	33.590	*****	23.19	469	469	.0499
20	16.47	33.550	*****	20	16.47	33.550	*****	24.55	340	340	.0904
30	10.08	******	*****	30	10.08	******	*****	*****	***	***	******
50	7.25	33.950	*****	50	7.25	33.950	*****	26.58	146	147	******
75	6.47	34.050	*****	75	6.47	34.050	*****	26.76	129	130	******
100	4.98	34.010	*****	100	4.98	34.010	*****	26.92	115	115	******
125	3.08	33.970	*****	125	3.08	33.970	*****	27.08	99	100	******
145	2.27	33.960	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 209-06 , 35-41.3. N, 129-49.0. E, AUG. 8,1981, 14.00 KST, DEPTH 250 , COLOR 3, TRANS. 16.0,																	
WAVE 1, SWELL 1, WIND S 4, BARO 1003. , AIR TEMP. DRY 28.1, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,																	
0	22.61	33.130	*****							0	22.61	33.130	*****	22.65	521	520	.0000
10	21.72	33.600	*****							10	21.72	33.600	*****	23.25	463	463	.0492
20	17.23	33.770	*****							20	17.23	33.770	*****	24.54	341	341	.0895
30	16.60	33.910	*****							30	16.60	33.910	*****	24.79	316	317	.1224
50	13.10	33.980	*****							50	13.10	33.980	*****	25.60	239	240	.1782
75	5.58	34.010	*****							75	5.58	34.010	*****	26.84	121	122	.2235
100	4.18	34.010	*****							100	4.18	34.010	*****	27.00	106	107	.2523
125	2.33	33.970	*****							125	2.33	33.970	*****	27.14	93	93	.2774
150	1.55	33.950	*****							150	1.55	33.950	*****	27.19	89	89	.3003
200	1.08	33.940	*****							200	1.08	33.940	*****	27.21	87	86	.3443
245	.98	33.980	*****														
KOREA ,JI PI SAN , STATION 209-07 , 35-36.8. N, 130-00.3. E, AUG. 8,1981, 15.30 KST, DEPTH 250 , COLOR 3, TRANS. 14.0,																	
WAVE 1, SWELL 1, WIND S 4, BARO 1002.5, AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,																	
0	23.40	32.240	*****							0	23.40	32.240	*****	21.75	607	606	.0000
10	17.96	32.710	*****							10	17.96	32.710	*****	23.55	435	434	.0521
20	14.00	33.750	*****							20	14.00	33.750	*****	25.24	273	274	.0875
30	11.21	34.030	*****							30	11.21	34.030	*****	26.00	201	202	.1114
50	8.26	34.070	*****							50	8.26	34.070	*****	26.53	151	152	.1468
75	4.80	34.040	*****							75	4.80	34.040	*****	26.96	110	111	.1798
100	3.40	33.970	*****							100	3.40	33.970	*****	27.05	102	102	.2066
125	2.41	33.920	*****							125	2.41	33.920	*****	27.10	97	98	.2317

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
150	1.60	33.910	*****							150	1.60	33.910	*****	27.15	92	92	.2555
200	1.30	33.950	*****							200	1.30	33.950	*****	27.20	87	87	.3006
245	.95	34.000	*****														

KOREA ,JI PI SAN , STATION 209-08 , 35-30.8. N, 130-16.9. E, AUG. 8.1981, 17.30 KST, DEPTH 200 , COLOR 3, TRANS. 15.0,

WAVE 1, SWELL 1, WIND S 4, BARO 1003. , AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	23.00	31.970	*****							0	23.00	31.970	*****	21.66	615	615	.0000
10	19.75	32.030	*****							10	19.75	32.030	*****	22.59	527	527	.0571
20	17.20	32.960	*****							20	17.20	32.960	*****	23.92	399	399	.1035
30	13.32	33.880	*****							30	13.32	33.880	*****	25.48	251	251	.1360
50	12.35	34.050	*****							50	12.35	34.050	*****	25.80	220	221	.1833
75	8.70	34.090	*****							75	8.70	34.090	*****	26.47	156	157	.2307
100	4.45	34.030	*****							100	4.45	34.030	*****	26.99	107	108	.2641
125	3.24	33.990	*****							125	3.24	33.990	*****	27.08	99	99	.2901
150	2.27	33.950	*****							150	2.27	33.950	*****	27.13	94	94	.3145
195	1.17	33.950	*****														

KOREA ,JI PI SAN , STATION 209-09 , 35-24.4. N, 130-33.5. E, AUG. 8.1981, 19.30 KST, DEPTH 150 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND S 4, BARO 1003. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	24.89	31.620	*****							0	24.89	31.620	*****	20.85	693	693	.0000
10	24.78	32.050	*****							10	24.78	32.050	*****	21.21	659	659	.0676
20	23.33	32.020	*****							20	23.33	32.020	*****	21.61	620	621	.1317
30	16.71	32.680	*****							30	16.71	32.680	*****	23.82	408	409	.1832
50	15.91	33.950	*****							50	15.91	33.950	*****	24.98	298	299	.2542
75	15.03	34.290	*****							75	15.03	34.290	*****	25.44	255	257	.3238

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	12.50	34.250	*****							100	12.50	34.250	*****	25.93	208	210	.3823
125	9.14	34.200	*****							125	9.14	34.200	*****	26.49	155	157	.4283
145	6.30	34.250	*****														

KOREA ,JI PI SAN , STATION 209-10 , 35-17.8. N, 130-50.0. E, AUG. 8.1981, 21.30 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 5, BARO 1002.5, AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.84	31.620	*****	0	23.84	31.620	*****	21.16	664	663	.0000
10	22.05	32.130	*****	10	22.05	32.130	*****	22.05	578	578	.0621
20	21.99	******	*****	20	21.99	******	*****	*****	***	***	******
30	20.87	32.690	*****	30	20.87	32.690	*****	22.80	507	507	******
50	18.34	33.590	*****	50	18.34	33.590	*****	24.13	379	381	******
75	17.42	34.270	*****	75	17.42	34.270	*****	24.87	309	310	******
100	16.54	34.250	*****	100	16.54	34.250	*****	25.07	290	293	******
125	15.91	34.200	*****	125	15.91	34.200	*****	25.17	280	283	******
135	14.28	34.260	*****								

KOREA ,JI PI SAN , STATION 209-11 , 35-11.4. N, 131-06.6. E, AUG. 8.1981, 23.30 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND S 5, BARO 1002. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	25.01	32.310	*****	0	25.01	32.310	*****	21.33	647	647	.0000
10	24.78	32.270	*****	10	24.78	32.270	*****	21.37	643	643	.0645
20	20.55	33.110	*****	20	20.55	33.110	*****	23.20	468	469	.1202
30	18.37	33.490	*****	30	18.37	33.490	*****	24.05	387	388	.1630
50	17.54	33.920	*****	50	17.54	33.920	*****	24.58	337	338	.2357
75	16.94	34.220	*****	75	16.94	34.220	*****	24.95	301	303	.3160
100	16.27	34.320	*****	100	16.27	34.320	*****	25.18	279	282	.3892
125	15.65	34.410	*****	125	15.65	34.410	*****	25.39	259	262	.4574
135	14.10	34.370	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

10월(October)

KOREA ,JI PI SAN , STATION 209-04 , 35-47.3. N, 129-32.8. E, OCT.11.1981, 07.10 KST, DEPTH 64 , COLOR 4, TRANS. 10.0,
WAVE 1, SWELL 1, WIND W 1, BARO 1022. , AIR TEMP. DRY 18.2. WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	19.65	32.840	*****	0	19.65	32.840	*****	23.23	465	465	.0000
10	19.56	32.820	*****	10	19.56	32.820	*****	23.24	465	465	.0465
20	16.45	33.490	*****	20	16.45	33.490	*****	24.50	344	344	.0870
30	15.66	33.920	*****	30	15.66	33.920	*****	25.01	295	296	.1190
50	14.85	34.340	*****	50	14.85	34.340	*****	25.52	247	249	.1736
60	10.32	34.300	*****								

KOREA ,JI PI SAN , STATION 209-05 , 35-45.4. N, 129-38.4. E, OCT.11.1981, 07.55 KST, DEPTH 150 , COLOR 4, TRANS. 13.0,
WAVE 1, SWELL 1, WIND W 1, BARO 1022. , AIR TEMP. DRY 18.2. WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	21.91	33.580	*****	0	21.91	33.580	*****	23.19	469	469	.0000
10	22.17	33.600	*****	10	22.17	33.600	*****	23.13	475	475	.0472
20	21.10	33.600	*****	20	21.10	33.600	*****	23.42	447	447	.0934
30	21.07	33.680	*****	30	21.07	33.680	*****	23.49	440	441	.1378
50	18.71	33.640	*****	50	18.71	33.640	*****	24.08	384	386	.2206
75	10.94	33.820	*****	75	10.94	33.820	*****	25.89	212	213	.2956
100	4.31	34.090	*****	100	4.31	34.090	*****	27.05	102	102	.3351
125	2.65	34.030	*****	125	2.65	34.030	*****	27.16	91	91	.3594
145	1.91	34.060	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-06 , 35-41.3. N, 129-49.0. E, OCT.11.1981, 09.15 KST, DEPTH 250 , COLOR 2, TRANS. 15.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	22.57	33.890	*****	0	22.57	33.890	*****	23.24	465	464	.0000
10	22.56	33.850	*****	10	22.56	33.850	*****	23.21	467	467	.0466
20	22.65	33.870	*****	20	22.65	33.870	*****	23.20	468	469	.0935
30	22.60	33.860	*****	30	22.60	33.860	*****	23.21	468	468	.1404
50	22.71	33.870	*****	50	22.71	33.870	*****	23.18	470	471	.2344
75	22.70	33.900	*****	75	22.70	33.900	*****	23.21	467	470	.3521
100	17.95	34.310	*****	100	17.95	34.310	*****	24.78	318	321	.4510
125	10.41	34.310	*****	125	10.41	34.310	*****	26.36	167	169	.5124
150	1.96	34.060	*****	150	1.96	34.060	*****	27.24	83	84	.5441
200	1.37	34.070	*****	200	1.37	34.070	*****	27.30	78	79	.5849
245	1.14	34.070	*****								

KOREA ,JI RI SAN , STATION 209-07 , 35-36.8. N, 130-00.3. E, OCT.11.1981, 10.35 KST, DEPTH 250 , COLOR 2, TRANS. 16.0,

WAVE 2, SWELL 2, WIND NW 3, BARO 1022. , AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE CS, AMT 6, WEATHER BC,

0	23.00	33.940	*****	0	23.00	33.940	*****	23.15	473	472	.0000
10	22.98	33.930	*****	10	22.98	33.930	*****	23.15	473	473	.0473
20	22.98	33.920	*****	20	22.98	33.920	*****	23.14	474	474	.0947
30	22.97	33.930	*****	30	22.97	33.930	*****	23.15	473	473	.1421
50	22.83	33.970	*****	50	22.83	33.970	*****	23.22	466	467	.2363
75	19.38	34.390	*****	75	19.38	34.390	*****	24.48	346	348	.3383
100	16.13	34.280	*****	100	16.13	34.280	*****	25.18	279	282	.4172
125	15.03	34.430	*****	125	15.03	34.430	*****	25.55	245	248	.4835

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
150	4.10	34.480	*****							150	4.10	34.480	*****	27.38	70	71	.5235
200	1.76	34.420	*****							200	1.76	34.420	*****	27.55	55	55	.5553
245	1.57	34.040	*****														

KOREA ,JI RI SAN , STATION 209-08 , 35-30.8. N, 130-16.9. E, OCT.11.1981, 12.25 KST, DEPTH 200 , COLOR 2, TRANS. 19.0.

WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 21.3. WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	22.92	33.840	*****							0	22.92	33.840	*****	23.10	478	477	.0000
10	22.91	33.870	*****							10	22.91	33.870	*****	23.12	475	475	.0477
20	22.92	33.850	*****							20	22.92	33.850	*****	23.11	477	477	.0954
30	22.72	33.860	*****							30	22.72	33.860	*****	23.17	471	472	.1429
50	22.59	33.940	*****							50	22.59	33.940	*****	23.27	462	463	.2364
75	19.60	34.100	*****							75	19.60	34.100	*****	24.20	373	375	.3412
100	19.32	34.500	*****							100	19.32	34.500	*****	24.58	337	340	.4306
125	18.29	34.550	*****							125	18.29	34.550	*****	24.88	308	312	.5122
150	13.65	34.380	*****							150	13.65	34.380	*****	25.80	220	224	.5793
195	2.00	34.020	*****														

KOREA ,JI RI SAN , STATION 209-09 , 35-24.4. N, 130-33.5. E, OCT.11.1981, 14.15 KST, DEPTH 150 , COLOR 2, TRANS. 14.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1023.5, AIR TEMP. DRY 21.3. WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	23.12	33.890	*****							0	23.12	33.890	*****	23.08	480	479	.0000
10	23.04	33.970	*****							10	23.04	33.970	*****	23.16	472	472	.0476
20	23.02	33.870	*****							20	23.02	33.870	*****	23.09	478	479	.0952
30	23.03	33.860	*****							30	23.03	33.860	*****	23.08	479	480	.1431
50	23.00	33.860	*****							50	23.00	33.860	*****	23.09	478	480	.2392
75	22.99	33.870	*****							75	22.99	33.870	*****	23.10	477	480	.3593
100	22.07	33.940	*****							100	22.07	33.940	*****	23.41	448	450	.4756

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	18.95	34															
		0	*****							125	18.95	34.380	*****	24.58	336	340	.5746
145	18.50	34.35															
			*****														

KOREA ,JI PI SAN , STATION 209-10 , 35-17.8. N, 130-50.0. E, OCT.11.1981, 16.05 KST, DEPTH 140 , COLOR 2, TRANS. 15.0.

WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 22.9. WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	22.79	33.730	*****	0	22.79	33.730	*****	23.05	482	482	.0000
10	22.80	33.710	*****	10	22.80	33.710	*****	23.04	484	484	.0483
20	22.81	33.710	*****	20	22.81	33.710	*****	23.03	484	484	.0968
30	22.73	33.720	*****	30	22.73	33.720	*****	23.06	481	482	.1452
50	22.78	33.710	*****	50	22.78	33.710	*****	23.04	483	485	.2419
75	22.80	33.700	*****	75	22.80	33.700	*****	23.03	485	487	.3635
100	21.99	33.870	*****	100	21.99	33.870	*****	23.38	451	453	.4811
125	18.80	33.940	*****	125	18.80	33.940	*****	24.28	365	368	.5839
135	17.95	34.120	*****								

KOREA ,JI PI SAN , STATION 209-11 , 35-11.4 N, 131-06.6. E, OCT.11.1981, 17.55 KST, DEPTH 140 , COLOR 3, TRANS. 13.0.

WAVE 1, SWELL 1, WIND NW 2, BARO 1023. , AIR TEMP. DRY 20.0. WET . , CLOUD. TYPE CS, AMT 8, WEATHER C ,

0	22.45	33.690	*****	0	22.45	33.690	*****	23.12	476	476	.0000
10	22.41	33.680	*****	10	22.41	33.680	*****	23.12	475	475	.0476
20	22.47	33.670	*****	20	22.47	33.670	*****	23.10	478	478	.0953
30	22.45	33.660	*****	30	22.45	33.660	*****	23.10	478	479	.1432
50	22.39	33.660	*****	50	22.39	33.660	*****	23.11	476	478	.2390
75	22.38	33.660	*****	75	22.38	33.660	*****	23.12	476	478	.3586
100	21.56	34.110	*****	100	21.56	34.110	*****	23.68	422	425	.4716
125	18.84	34.270	*****	125	18.84	34.270	*****	24.52	342	345	.5679
135	17.68	34.390	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,JI PI SAN , STATION 209-04 , 35-47.3. N, 129-32.8. E, DEC.18,1981, 13.00 KST, DEPTH 64 , COLOR 7, TRANS. 9.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1030. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER R ,

0	16.10	34.490	*****	0	16.10	34.490	*****	25.35	263	263	.0000
10	15.10	34.450	*****	10	15.10	34.450	*****	25.55	245	245	.0254
20	14.54	34.440	*****	20	14.54	34.440	*****	25.66	234	234	.0494
30	13.86	34.400	*****	30	13.86	34.400	*****	25.77	223	224	.0723
50	13.72	34.350	*****	50	13.72	34.350	*****	25.76	224	225	.1173
60	13.84	34.340	*****								

KOREA ,JI PI SAN , STATION 209-05 , 35-45.4. N, 129-38.4. E, DEC.18,1981, 13.45 KST, DEPTH 150 , COLOR 7, TRANS. 9.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1030. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	16.20	34.400	*****	0	16.20	34.400	*****	25.26	272	271	.0000
10	16.40	34.410	*****	10	16.40	34.410	*****	25.22	275	275	.0274
20	16.20	34.410	*****	20	16.20	34.410	*****	25.27	271	271	.0548
30	15.40	34.410	*****	30	15.40	34.410	*****	25.45	254	254	.0811
50	15.35	34.420	*****	50	15.35	34.420	*****	25.47	252	253	.1320
75	14.40	34.410	*****	75	14.40	34.410	*****	25.67	233	235	.1931
100	14.38	34.420	*****	100	14.38	34.420	*****	25.68	232	234	.2519
125	3.93	34.370	*****	125	3.93	34.370	*****	27.31	77	77	.2910
145	3.49	34.180	*****								

KOREA ,JI PI SAN , STATION 209-06 , 35-41.3. N, 129-49.0. E, DEC.18,1981, 15.05 KST, DEPTH 250 , COLOR 8, TRANS. 8.0,

WAVE 1, SWELL 1, WIND SE 5, BARO 1030. , AIR TEMP. DRY 12.7, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	16.20	34.370	*****	0	16.20	34.370	*****	25.24	274	274	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.40	34.380	*****							10	16.40	34.380	*****	25.20	278	278	.0276
20	16.32	34.380	*****							20	16.32	34.380	*****	25.22	276	276	.0553
30	15.26	34.380	*****							30	15.26	34.380	*****	25.46	253	254	.0819
50	13.30	34.290	*****							50	13.30	34.290	*****	25.80	220	221	.1295
75	9.00	34.180	*****							75	9.00	34.180	*****	26.50	154	155	.1767
100	5.95	34.110	*****							100	5.95	34.110	*****	26.88	118	119	.2111
125	3.00	34.010	*****							125	3.00	34.010	*****	27.12	95	96	.2381
150	2.11	33.980	*****							150	2.11	33.980	*****	27.17	90	91	.2615
200	1.95	33.990	*****							200	1.95	33.990	*****	27.19	89	89	.3067
245	1.52	34.020	*****														

KOREA ,JI RI SAN , STATION 209-07 , 35-36.8. N, 130-00.3. E, DEC.18.1981, 16.25 KST, DEPTH 250 , COLOR 8, TRANS. 8.0,

WAVE 1, SWELL 1, WIND NW 5, BARO 1030. , AIR TEMP. DRY 11.5. WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	16.30	34.340	*****							0	16.30	34.340	*****	25.19	278	278	.0000
10	16.80	34.350	*****							10	16.80	34.350	*****	25.08	289	289	.0284
20	16.79	34.360	*****							20	16.79	34.360	*****	25.09	288	288	.0573
30	16.70	34.360	*****							30	16.70	34.360	*****	25.11	286	286	.0860
50	16.50	34.420	*****							50	16.50	34.420	*****	25.21	277	278	.1426
75	16.49	34.370	*****							75	16.49	34.370	*****	25.17	280	282	.2127
100	12.59	34.270	*****							100	12.59	34.270	*****	25.93	208	210	.2744
125	7.20	34.140	*****							125	7.20	34.140	*****	26.74	132	133	.3175
150	2.10	33.990	*****							150	2.10	33.990	*****	27.18	90	90	.3455
200	1.89	33.980	*****							200	1.89	33.980	*****	27.19	89	89	.3906
245	1.50	33.980	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI DI SAN , STATION 209-08 , 35-30.8. N, 130-16.9. E, DEC.18.1981, 18.15 KST, DEPTH 200 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND NE 5, BARO 1030. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	16.22	34.320	*****	0	16.22	34.320	*****	25.19	278	278	.0000
10	16.52	34.340	*****	10	16.52	34.340	*****	25.14	283	283	.0281
20	16.47	34.350	*****	20	16.47	34.350	*****	25.16	281	282	.0564
30	16.45	34.340	*****	30	16.45	34.340	*****	25.16	282	282	.0846
50	15.65	34.340	*****	50	15.65	34.340	*****	25.34	264	265	.1395
75	15.50	34.340	*****	75	15.50	34.340	*****	25.37	261	263	.2056
100	14.22	34.310	*****	100	14.22	34.310	*****	25.63	237	239	.2685
125	7.41	34.180	*****	125	7.41	34.180	*****	26.74	131	133	.3152
150	2.82	34.050	*****	150	2.82	34.050	*****	27.17	91	91	.3434
195	1.54	34.000	*****								

KOREA ,JI DI SAN , STATION 209-09 , 35-24.4. N, 130-33.5. E, DEC.18.1981, 20.05 KST, DEPTH 150 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 5, BARO 1026.5, AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	16.79	34.350	*****	0	16.79	34.350	*****	25.08	288	288	.0000
10	16.70	34.340	*****	10	16.70	34.340	*****	25.10	287	287	.0288
20	16.64	34.340	*****	20	16.64	34.340	*****	25.11	286	286	.0575
30	16.63	34.340	*****	30	16.63	34.340	*****	25.11	286	286	.0862
50	16.61	34.350	*****	50	16.61	34.350	*****	25.13	284	286	.1435
75	16.59	34.340	*****	75	16.59	34.340	*****	25.12	285	287	.2151
100	16.50	34.360	*****	100	16.50	34.360	*****	25.16	281	284	.2866
125	16.41	34.350	*****	125	16.41	34.350	*****	25.17	280	283	.3576
145	16.36	34.320	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 209-10 , 35-17.8. N, 130-50.0. E, DEC.18.1981, 21.55 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 6, BARO 1026. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	16.54	34.290	*****	0	16.54	34.290	*****	25.10	287	287	.0000
10	16.60	34.290	*****	10	16.60	34.290	*****	25.08	289	289	.0288
20	16.65	34.300	*****	20	16.65	34.300	*****	25.08	289	289	.0578
30	16.62	34.290	*****	30	16.62	34.290	*****	25.08	289	290	.0868
50	16.61	34.300	*****	50	16.61	34.300	*****	25.09	288	289	.1447
75	16.60	******	*****	75	16.60	******	*****	*****	***	***	******
100	16.57	34.300	*****	100	16.57	34.300	*****	25.10	287	290	******
125	16.50	34.300	*****	125	16.50	34.300	*****	25.11	286	289	******
135	16.43	34.310	*****								

KOREA ,JI RI SAN , STATION 209-11 , 35-11.4. N, 131-06.6. E, DEC.18.1981, 23.45 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 6, BARO 1026. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	16.49	34.300	*****	0	16.49	34.300	*****	25.12	285	285	.0000
10	16.51	34.290	*****	10	16.51	34.290	*****	25.10	287	287	.0286
20	16.59	34.300	*****	20	16.59	34.300	*****	25.09	288	288	.0574
30	16.61	34.290	*****	30	16.61	34.290	*****	25.08	289	289	.0863
50	16.60	34.300	*****	50	16.60	34.300	*****	25.09	288	289	.1443
75	16.35	34.300	*****	75	16.35	34.300	*****	25.15	282	284	.2160
100	16.25	34.300	*****	100	16.25	34.300	*****	25.17	280	283	.2870
125	16.20	34.300	*****	125	16.20	34.300	*****	25.18	279	282	.3578
135	16.05	34.300	*****								

208선 해양관측 성적

Oceanographic Data. Line 208

2 월(February)

KOREA ,JI PI SAN , STATION 208-01 , 35-28.5. N, 129-27.3. E, FEB.19.1981, 15.55 KST, DEPTH 70 , COLOR 2, TRANS. 8.0

WAVE 2, SWELL 2, WIND N 3, BARO 1023. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	11.54	34.470	*****							0	11.54	34.470	*****	26.28	174	174	.0000
10	11.53	34.430	*****							10	11.53	34.430	*****	26.25	177	177	.0176
20	11.50	34.430	*****							20	11.50	34.430	*****	26.26	177	177	.0354
30	11.34	34.450	*****							30	11.34	34.450	*****	26.30	172	173	.0529
50	10.44	34.430	*****							50	10.44	34.430	*****	26.45	159	159	.0862
65	10.43	34.420	*****														

KOREA ,JI PI SAN , STATION 208-02 , 35-24.3. N, 129-33.8. E, FEB.19.1981, 16.55 KST, DEPTH 130 , COLOR 2, TRANS. 8.0,

WAVE 2, SWELL 2, WIND NE 4, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	10.23	34.530	*****							0	10.23	34.530	*****	26.57	148	147	.0000
10	10.26	34.530	*****							10	10.26	34.530	*****	26.56	148	148	.0148
20	10.25	34.560	*****							20	10.25	34.560	*****	26.59	146	146	.0296
30	9.27	34.540	*****							30	9.27	34.540	*****	26.73	132	132	.0435
50	8.27	34.530	*****							50	8.27	34.530	*****	26.88	117	118	.0686
75	8.18	34.490	*****							75	8.18	34.490	*****	26.87	119	120	.0985
100	7.85	34.440	*****							100	7.85	34.440	*****	26.88	118	120	.1286
125	7.75	34.400	*****							125	7.75	34.400	*****	26.86	120	122	.1589

KOREA ,JI PI SAN , STATION 208-03 , 35-17.8. N, 129-42.9. E, FEB.19.1981, 18.10 KST, DEPTH 150 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 4, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	11.52	34.540	*****							0	11.52	34.540	*****	26.34	169	169	.0000
10	12.15	34.570	*****							10	12.15	34.570	*****	26.25	178	178	.0174

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	11.70	34.590	*****							20	11.70	34.590	*****	26.35	168	169	.0348
30	11.69	34.580	*****							30	11.69	34.580	*****	26.34	169	169	.0517
50	11.50	34.570	*****							50	11.50	34.570	*****	26.37	166	167	.0855
75	10.11	34.570	*****							75	10.11	34.570	*****	26.62	143	144	.1245
100	9.61	34.570	*****							100	9.61	34.570	*****	26.70	135	136	.1597
125	8.65	34.560	*****							125	8.65	34.560	*****	26.85	121	123	.1923
145	8.70	34.540	*****														

KOREA ,JI RI SAN , STATION 208-04 , 35-11.1. N, 129-52.7. E, FEB.19.1981, 19.30 KST, DEPTH 143 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 4, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	12.45	34.560	*****							0	12.45	34.560	*****	26.18	184	184	.0000
10	12.63	34.560	*****							10	12.63	34.560	*****	26.14	188	188	.0186
20	12.53	34.590	*****							20	12.53	34.590	*****	26.19	184	184	.0373
30	10.69	34.570	*****							30	10.69	34.570	*****	26.52	152	153	.0541
50	10.60	34.620	*****							50	10.60	34.620	*****	26.57	147	148	.0843
75	10.50	34.570	*****							75	10.50	34.570	*****	26.55	149	151	.1218
100	9.70	34.550	*****							100	9.70	34.550	*****	26.67	138	139	.1581
125	8.70	34.530	*****							125	8.70	34.530	*****	26.82	124	126	.1914
140	7.72	34.560	*****														

KOREA ,JI RI SAN , STATION 208-05 , 35-04.8. N, 130-02.0. E, FEB.19.1981, 20.50 KST, DEPTH 140 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 4, BARO 1023. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	12.50	34.580	*****							0	12.50	34.580	*****	26.19	184	183	.0000
10	12.60	34.570	*****							10	12.60	34.570	*****	26.16	186	186	.0185
20	11.59	34.570	*****							20	11.59	34.570	*****	26.35	168	168	.0363
30	10.61	34.580	*****							30	10.61	34.580	*****	26.54	150	151	.0523

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	10.59	34.560	*****							50	10.59	34.560	*****	26.53	151	152	.0827
75	10.41	34.550	*****							75	10.41	34.550	*****	26.55	149	151	.1207
100	9.48	34.500	*****							100	9.48	34.500	*****	26.67	138	140	.1571
125	8.60	34.540	*****							125	8.60	34.540	*****	26.84	122	124	.1901
135	8.50	34.540	*****														

KOREA ,JI RI SAN , STATION 208-06 , 34-58.2. N, 130-11.9. E, FEB.19,1981, 22.10 KST, DEPTH 135 , COLOR , TRANS. . .

WAVE 2, SWELL 2, WIND NE 4, BARO 1024. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	12.15	34.530	*****							0	12.15	34.530	*****	26.21	181	181	.0000
10	12.18	34.540	*****							10	12.18	34.540	*****	26.22	181	181	.0181
20	12.40	34.540	*****							20	12.40	34.540	*****	26.17	185	185	.0365
30	12.29	34.600	*****							30	12.29	34.600	*****	26.24	178	179	.0547
50	12.31	34.570	*****							50	12.31	34.570	*****	26.21	181	182	.0909
75	12.05	34.570	*****							75	12.05	34.570	*****	26.26	176	178	.1360
100	12.09	34.590	*****							100	12.09	34.590	*****	26.27	175	178	.1805
125	12.08	34.510	*****							125	12.08	34.510	*****	26.21	181	184	.2258

KOREA ,JI RI SAN , STATION 208-07 , 34-52.0. N, 130-20.9. E, FEB.19,1981, 23.30 KST, DEPTH 130 , COLOR , TRANS. . .

WAVE 2, SWELL 2, WIND NE 4, BARO 1024. , AIR TEMP. DRY 8.9, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	11.40	34.420	*****							0	11.40	34.420	*****	26.27	176	175	.0000
10	11.41	34.410	*****							10	11.41	34.410	*****	26.26	177	177	.0176
20	11.60	34.440	*****							20	11.60	34.440	*****	26.25	178	178	.0354
30	11.60	34.420	*****							30	11.60	34.420	*****	26.23	179	180	.0533
50	11.60	34.400	*****							50	11.60	34.400	*****	26.22	181	182	.0896
75	11.63	34.370	*****							75	11.63	34.370	*****	26.19	183	185	.1355
100	11.60	34.470	*****							100	11.60	34.470	*****	26.27	176	178	.1809
125	11.60	34.490	*****							125	11.60	34.490	*****	26.29	174	177	.2253

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 208-08 , 34-45.3. N, 130-30.6. E, FEB.20.1981, 00.50 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 4, BARO 1024. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	11.43	34.400	*****	0	11.43	34.400	*****	26.25	178	177	.0000
10	11.43	34.380	*****	10	11.43	34.380	*****	26.23	179	179	.0179
20	11.41	34.380	*****	20	11.41	34.380	*****	26.24	179	179	.0358
30	11.30	34.410	*****	30	11.30	34.410	*****	26.28	175	175	.0536
50	11.41	34.440	*****	50	11.41	34.440	*****	26.28	174	175	.0887
75	11.50	34.430	*****	75	11.50	34.430	*****	26.26	177	178	.1330
100	11.43	34.380	*****	100	11.43	34.380	*****	26.23	179	181	.1780
125	11.45	34.380	*****	125	11.45	34.380	*****	26.23	180	182	.2236

KOREA ,JI PI SAN , STATION 208-09 , 34-38.9. N, 130-40.5. E, FEB.20.1981, 02.10 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 2, SWELL 2, WIND NE 5, BARO 1024. , AIR TEMP. DRY 8.7, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	11.69	34.410	*****	0	11.69	34.410	*****	26.21	182	181	.0000
10	12.14	34.460	*****	10	12.14	34.460	*****	26.16	186	186	.0184
20	12.22	34.480	*****	20	12.22	34.480	*****	26.16	186	186	.0371
30	11.66	34.470	*****	30	11.66	34.470	*****	26.26	177	177	.0553
50	11.78	34.460	*****	50	11.78	34.460	*****	26.23	179	180	.0911
75	11.80	34.480	*****	75	11.80	34.480	*****	26.24	178	180	.1363
100	11.63	34.420	*****	100	11.63	34.420	*****	26.23	180	182	.1816
125	9.57	34.270	*****	125	9.57	34.270	*****	26.47	156	159	.2242

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,JI RI SAN , STATION 208-01 , 35-28.5. N, 129-27.3. E, APR. 6.1981, 18.30 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	14.20	34.610	*****	0	14.20	34.610	*****	25.86	214	214	.0000
10	14.20	34.630	*****	10	14.20	34.630	*****	25.88	213	213	.0214
20	12.73	34.520	*****	20	12.73	34.520	*****	26.09	192	193	.0417
30	11.42	34.460	*****	30	11.42	34.460	*****	26.30	173	173	.0601
50	11.20	34.450	*****	50	11.20	34.450	*****	26.33	170	171	.0946
65	11.00	34.450	*****								

KOREA ,JI RI SAN , STATION 208-02 , 35-24.3. N, 129-33.8. E, APR. 6.1981, 19.40 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1015. , AIR TEMP. DRY 13.3, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.70	34.610	*****	0	13.70	34.610	*****	25.97	205	204	.0000
10	13.35	34.600	*****	10	13.35	34.600	*****	26.03	198	198	.0202
20	13.35	34.620	*****	20	13.35	34.620	*****	26.05	197	197	.0400
30	13.34	34.600	*****	30	13.34	34.600	*****	26.03	198	199	.0599
50	13.20	34.590	*****	50	13.20	34.590	*****	26.05	196	197	.0995
75	12.63	34.560	*****	75	12.63	34.560	*****	26.14	188	189	.1480
100	11.45	34.520	*****	100	11.45	34.520	*****	26.34	169	171	.1932
125	9.10	34.360	*****	125	9.10	34.360	*****	26.62	142	144	.2328

KOREA ,JI RI SAN , STATION 208-03 , 35-17.8. N, 129-42.9. E, APR. 6.1981, 21.05 KST, DEPTH 150 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 3, BARO 1016. , AIR TEMP. DRY 13.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.14	34.610	*****	0	13.14	34.610	*****	26.08	194	193	.0000
10	13.14	34.590	*****	10	13.14	34.590	*****	26.07	195	195	.0195

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	13.12	34.600	*****							20	13.12	34.600	*****	26.08	194	194	.0390
30	12.92	34.570	*****							30	12.92	34.570	*****	26.09	192	193	.0584
50	12.82	34.570	*****							50	12.82	34.570	*****	26.11	190	191	.0969
75	12.73	34.580	*****							75	12.73	34.580	*****	26.14	188	190	.1447
100	12.34	34.520	*****							100	12.34	34.520	*****	26.17	185	187	.1919
125	12.15	34.570	*****							125	12.15	34.570	*****	26.25	178	181	.2381
145	11.99	34.570	*****														

KOREA ,JI RI SAN , STATION 208-04 , 35-11.1. N, 129-52.7. E, APR. 6.1981, 22.35 KST, DEPTH 143 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND SW 3, BARO 1016. , AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.45	34.610	*****							0	13.45	34.610	*****	26.02	200	199	.0000
10	13.40	34.590	*****							10	13.40	34.590	*****	26.01	200	200	.0200
20	13.20	34.590	*****							20	13.20	34.590	*****	26.05	196	196	.0399
30	13.20	34.590	*****							30	13.20	34.590	*****	26.05	196	197	.0596
50	13.20	34.580	*****							50	13.20	34.580	*****	26.05	197	198	.0992
75	13.20	34.600	*****							75	13.20	34.600	*****	26.06	196	197	.1487
100	13.04	34.580	*****							100	13.04	34.580	*****	26.08	194	196	.1980
125	12.37	34.550	*****							125	12.37	34.550	*****	26.19	184	186	.2459
140	10.90	34.390	*****														

KOREA ,JI RI SAN , STATION 208-05 , 35-04.8. N, 130-02.0. E, APR. 7.1981, 00.05 KST, DEPTH 140 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND SW 3, BARO 1017. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	13.30	34.590	*****							0	13.30	34.590	*****	26.03	198	198	.0000
10	13.25	34.580	*****							10	13.25	34.580	*****	26.04	198	198	.0198
20	13.31	34.580	*****							20	13.31	34.580	*****	26.02	199	199	.0398
30	13.32	34.580	*****							30	13.32	34.580	*****	26.02	199	200	.0598

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	13.33	34.580	*****							50	13.33	34.580	*****	26.02	199	200	.0999
75	13.24	34.580	*****							75	13.24	34.580	*****	26.04	198	199	.1500
100	13.20	34.580	*****							100	13.20	34.580	*****	26.05	197	199	.2000
125	12.90	34.570	*****							125	12.90	34.570	*****	26.10	192	195	.2493
135	12.85	34.570	*****														

KOREA ,JI PI SAN , STATION 208-06 , 34-58.2. N, 130-11.9. E, APR. 7.1981, 01.35 KST, DEPTH 135 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND SW 4, BARO 1017. , AIR TEMP. DRY 12.3. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.99	34.550	*****							0	12.99	34.550	*****	26.07	195	195	.0000
10	13.11	34.550	*****							10	13.11	34.550	*****	26.04	197	197	.0197
20	12.70	34.540	*****							20	12.70	34.540	*****	26.12	190	191	.0391
30	12.31	34.580	*****							30	12.31	34.580	*****	26.22	180	181	.0577
50	12.07	34.600	*****							50	12.07	34.600	*****	26.28	174	175	.0934
75	11.78	34.600	*****							75	11.78	34.600	*****	26.34	169	171	.1368
100	11.65	34.580	*****							100	11.65	34.580	*****	26.35	168	170	.1796
125	11.50	34.520	*****							125	11.50	34.520	*****	26.33	170	173	.2226

KOREA ,JI PI SAN , STATION 208-07 , 34-52.0. N, 130-20.9. E, APR. 7.1981, 03.05 KST, DEPTH 130 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND SW 4, BARO 1018. , AIR TEMP. DRY 12.2. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.98	34.530	*****							0	11.98	34.530	*****	26.25	178	178	.0000
10	11.98	34.530	*****							10	11.98	34.530	*****	26.25	178	178	.0178
20	11.90	34.530	*****							20	11.90	34.530	*****	26.26	176	177	.0356
30	11.81	34.530	*****							30	11.81	34.530	*****	26.28	175	175	.0532
50	11.78	34.530	*****							50	11.78	34.530	*****	26.29	174	175	.0884
75	11.43	34.530	*****							75	11.43	34.530	*****	26.35	168	170	.1316
100	11.34	34.540	*****							100	11.34	34.540	*****	26.37	166	168	.1739
125	10.98	34.510	*****							125	10.98	34.510	*****	26.42	162	164	.2155

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 208-08 , 34-45.3. N, 130-30.6. E, APR. 7.1981, 04.35 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SW 4, BARO 1018. , AIR TEMP. DRY 1.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.97	34.580	*****	0	12.97	34.580	*****	26.09	193	192	.0000
10	12.89	34.560	*****	10	12.89	34.560	*****	26.09	193	193	.0193
20	12.60	34.560	*****	20	12.60	34.560	*****	26.15	187	187	.0383
30	12.38	34.490	*****	30	12.38	34.490	*****	26.14	188	189	.0572
50	12.24	34.540	*****	50	12.24	34.540	*****	26.21	182	183	.0944
75	11.99	34.530	*****	75	11.99	34.530	*****	26.25	178	180	.1398
100	11.45	34.510	*****	100	11.45	34.510	*****	26.33	170	172	.1839
125	11.10	34.490	*****	125	11.10	34.490	*****	26.38	165	168	.2265

KOREA ,JI RI SAN , STATION 208-09 , 34-38.9. N, 130-40.5. E, APR. 7.1981, 06.05 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND SE 1, BARO 1019. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.70	34.570	*****	0	12.70	34.570	*****	26.14	188	188	.0000
10	12.55	34.560	*****	10	12.55	34.560	*****	26.16	186	186	.0188
20	12.50	34.560	*****	20	12.50	34.560	*****	26.17	185	185	.0374
30	12.42	34.560	*****	30	12.42	34.560	*****	26.19	184	184	.0559
50	12.40	34.570	*****	50	12.40	34.570	*****	26.20	183	184	.0928
75	12.30	34.560	*****	75	12.30	34.560	*****	26.21	182	183	.1387
100	12.07	34.550	*****	100	12.07	34.550	*****	26.25	178	180	.1843
125	11.70	34.550	*****	125	11.70	34.550	*****	26.32	171	174	.2287

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY

6 월 (June)

KOREA ,JI PI SAN , STATION 208-01 , 35-28.5. N, 129-27.3. E, JUN.12.1981, 12.10 KST, DEPTH 70 , COLOR 3, TRANS. 10.0,
WAVE 3, SWELL 2, WIND NE 4, BARO 1006.5, AIR TEMP. DRY 18.1, WET . , CLOUD. TYPE NS, AMT 10, WEATHER P ,

0	16.98	33.790	*****	0	16.98	33.790	*****	24.61	334	335	.0000
10	15.19	33.800	*****	10	15.19	33.800	*****	25.03	294	294	.0314
20	14.11	33.930	*****	20	14.11	33.930	*****	25.36	262	263	.0593
30	13.59	34.130	*****	30	13.59	34.130	*****	25.62	238	238	.0844
50	12.08	34.240	*****	50	12.08	34.240	*****	26.00	201	202	.1285
65	11.97	34.270	*****								

KOREA ,JI PI SAN , STATION 208-02 , 35-24.3. N, 129-35.8. E, JUN.12.1981, 11.00 KST, DEPTH 130 , COLOR 3, TRANS. 12.0,
WAVE 3, SWELL 2, WIND NE 4, BARO 1007. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	17.62	33.410	*****	0	17.62	33.410	*****	24.17	376	375	.0000
10	15.32	33.910	*****	10	15.32	33.910	*****	25.08	289	289	.0333
20	14.29	33.930	*****	20	14.29	33.930	*****	25.32	266	266	.0611
30	13.98	33.980	*****	30	13.98	33.980	*****	25.42	256	257	.0873
50	13.08	34.100	*****	50	13.08	34.100	*****	25.70	230	231	.1561
75	12.94	34.250	*****	75	12.94	34.250	*****	25.84	216	218	.1923
100	12.88	34.320	*****	100	12.88	34.320	*****	25.91	210	212	.2462
125	11.72	34.320	*****	125	11.72	34.320	*****	26.13	189	191	.2968

KOREA ,JI PI SAN , STATION 208-03 , 35-17.8. N, 129-42.9. E, JUN.12.1981, 09.30 KST, DEPTH 150 , COLOR 3, TRANS. 11.0,
WAVE 3, SWELL 2, WIND NE 3, BARO 1007. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	17.50	33.390	*****	0	17.50	33.390	*****	24.18	374	374	.0000
10	16.49	33.420	*****	10	16.49	33.420	*****	24.44	350	350	.0362

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
20	13.20	33.890	*****							20	13.20	33.890	*****	25.51	248	248	.0662
30	13.15	33.920	*****							30	13.15	33.920	*****	25.55	244	245	.0908
50	12.65	34.000	*****							50	12.65	34.000	*****	25.71	229	230	.1385
75	11.80	34.180	*****							75	11.80	34.180	*****	26.01	200	202	.1926
100	11.44	34.260	*****							100	11.44	34.260	*****	26.14	188	190	.2417
125	11.30	34.350	*****							125	11.30	34.350	*****	26.23	179	182	.2883
145	11.12	34.320	*****														

KOREA ,JI PI SAN , STATION 208-04 , 35-11.1. N, 129-52.7. E, JUN.12.1981, 08.00 KST, DEPTH 143 , COLOR 3, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	17.77	33.610	*****							0	17.77	33.610	*****	24.28	365	364	.0000
10	15.00	33.610	*****							10	15.00	33.610	*****	24.92	304	304	.0335
20	14.81	33.620	*****							20	14.81	33.620	*****	24.97	299	300	.0637
30	14.19	33.540	*****							30	14.19	33.540	*****	25.04	293	293	.0934
50	14.00	33.740	*****							50	14.00	33.740	*****	25.23	274	275	.1503
75	13.12	34.010	*****							75	13.12	34.010	*****	25.62	237	239	.2147
100	12.99	34.440	*****							100	12.99	34.440	*****	25.98	203	205	.2704
125	12.75	34.440	*****							125	12.75	34.440	*****	26.03	199	202	.3214
140	12.00	34.420	*****														

KOREA ,JI PI SAN , STATION 208-05 , 35-04.8. N, 130-02.0. E, JUN.12.1981, 06.30 KST, DEPTH 140 , COLOR 4, TRANS. 10.0,

WAVE 1, SWELL 1, WIND NE 4, BARO 1006. , AIR TEMP. DRY 17.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	17.98	33.610	*****							0	17.98	33.610	*****	24.23	369	369	.0000
10	14.50	33.600	*****							10	14.50	33.600	*****	25.02	294	294	.0332
20	14.28	33.950	*****							20	14.28	33.950	*****	25.34	264	265	.0612
30	14.13	34.030	*****							30	14.13	34.030	*****	25.43	256	256	.0873

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
50	14.10	34.260	*****							50	14.10	34.260	*****	25.61	238	239	.1369
75	14.00	34.430	*****							75	14.00	34.430	*****	25.77	224	225	.1951
100	13.80	34.440	*****							100	13.80	34.440	*****	25.82	219	221	.2511
125	12.11	34.360	*****							125	12.11	34.360	*****	26.09	193	195	.3033
135	11.97	34.370	*****														

KOREA ,JI RI SAN , STATION 208-06 , 34-58.2. N, 130-11.9. E, JUN.12.1981, 05.05 KST, DEPTH 135 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1006.5, AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.79	33.460	*****							0	17.79	33.460	*****	24.17	376	376	.0000
10	17.00	33.710	*****							10	17.00	33.710	*****	24.55	340	340	.0358
20	16.94	34.090	*****							20	16.94	34.090	*****	24.85	311	311	.0684
30	15.78	34.030	*****							30	15.78	34.030	*****	25.07	290	290	.0985
50	14.12	34.240	*****							50	14.12	34.240	*****	25.59	240	241	.1517
75	12.99	34.410	*****							75	12.99	34.410	*****	25.96	205	207	.2079
100	12.54	34.460	*****							100	12.54	34.460	*****	26.08	193	195	.2583
125	12.00	34.500	*****							125	12.00	34.500	*****	26.22	180	183	.3058

KOREA ,JI RI SAN , STATION 208-07 , 34-52.0. N, 130-20.9. E, JUN.12.1981, 03.35 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NE 4, BARO 1007. , AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.90	33.440	*****							0	17.90	33.440	*****	24.12	380	380	.0000
10	17.70	33.510	*****							10	17.70	33.510	*****	24.23	370	370	.0375
20	16.10	34.070	*****							20	16.10	34.070	*****	25.03	294	294	.0708
30	15.85	33.960	*****							30	15.85	33.960	*****	25.00	296	297	.1004
50	14.38	34.380	*****							50	14.38	34.380	*****	25.65	235	236	.1538
75	12.85	34.250	*****							75	12.85	34.250	*****	25.86	215	216	.2104

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
100	11.45	34.250	*****							100	11.45	34.250	*****	26.13	189	191	.2614
125	10.37	34.260	*****							125	10.37	34.260	*****	26.33	170	172	.3070

KOREA ,JI PI SAN , STATION 208-08 , 34-45.3. N, 130-30.6. E, JUN.12.1981, 02.10 KST, DEPTH 130 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND NE 5, BARO 1009. , AIR TEMP. DRY 14.2, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.85	33.470	*****							0	17.85	33.470	*****	24.16	377	376	.0000
10	17.22	33.720	*****							10	17.22	33.720	*****	24.50	344	344	.0361
20	16.45	34.070	*****							20	16.45	34.070	*****	24.95	301	302	.0684
30	16.20	34.070	*****							30	16.20	34.070	*****	25.01	296	296	.0983
50	15.45	34.170	*****							50	15.45	34.170	*****	25.25	272	274	.1554
75	14.05	34.120	*****							75	14.05	34.120	*****	25.52	247	249	.2209
100	13.90	34.230	*****							100	13.90	34.230	*****	25.63	236	239	.2820
125	13.80	34.340	*****							125	13.80	34.340	*****	25.74	226	229	.3406

KOREA ,JI PI SAN , STATION 208-09 , 34-38.9. N, 130-40.5. E, JUN.12.1981, 00.40 KST, DEPTH 130 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND NE 5, BARO 1009. , AIR TEMP. DRY 15.1, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	18.42	34.020	*****							0	18.42	34.020	*****	24.44	350	350	.0000
10	17.91	34.130	*****							10	17.91	34.130	*****	24.65	330	330	.0340
20	16.81	34.200	*****							20	16.81	34.200	*****	24.96	300	300	.0656
30	16.73	34.260	*****							30	16.73	34.260	*****	25.03	294	294	.0954
50	15.91	34.330	*****							50	15.91	34.330	*****	25.27	271	272	.1521
75	14.87	34.470	*****							75	14.87	34.470	*****	25.61	238	240	.2162
100	13.98	34.540	*****							100	13.98	34.540	*****	25.85	215	218	.2735
125	13.81	34.620	*****							125	13.81	34.620	*****	25.95	206	209	.3269

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,JI RI SAN , STATION 208-01 , 35-28.5. N, 129-27.3. E, AUG. 9,1981, 15.40 KST, DEPTH 70 , COLOR 3, TRANS. 18.0,
WAVE 1, SWELL 1, WIND S 4, BARO 1003.5, AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	22.31	32.650	*****	0	22.31	32.650	*****	22.37	547	547	.0000
10	20.35	32.880	*****	10	20.35	32.880	*****	23.08	480	480	.0514
20	14.97	33.440	*****	20	14.97	33.440	*****	24.80	316	316	.0912
30	9.60	33.880	*****	30	9.60	33.880	*****	26.17	186	186	.1164
50	8.51	33.950	*****	50	8.51	33.950	*****	26.39	164	165	.1515
65	7.12	34.020	*****								

KOREA ,JI RI SAN , STATION 208-02 , 35-24.3. N, 129-33.8. E, AUG. 9,1981, 14.30 KST, DEPTH 130 , COLOR 3, TRANS. 18.0,
WAVE 1, SWELL 1, WIND S 4, BARO 1003.5, AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	22.40	******	*****	0	22.40	******	*****	*****	***	***	.0000
10	21.60	33.420	*****	10	21.60	33.420	*****	23.15	473	473	******
20	14.70	33.700	*****	20	14.70	33.700	*****	25.06	291	291	******
30	12.80	34.070	*****	30	12.80	34.070	*****	25.73	227	227	******
50	7.45	34.110	*****	50	7.45	34.110	*****	26.68	137	138	******
75	6.17	34.070	*****	75	6.17	34.070	*****	26.82	124	124	******
100	4.91	34.040	*****	100	4.91	34.040	*****	26.95	112	112	******
125	3.23	34.050	*****	125	3.23	34.050	*****	27.13	94	95	******

KOREA ,JI RI SAN , STATION 208-03 , 35-17.8. N, 129-42.9. E, AUG. 9,1981, 13.00 KST, DEPTH 150 , COLOR 3, TRANS. 18.0,
WAVE 1, SWELL 1, WIND S 4, BARO 1003.5, AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	22.56	32.580	*****	0	22.56	32.580	*****	22.25	559	559	.0000
10	22.34	32.550	*****	10	22.34	32.550	*****	22.29	555	555	.0558

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	21.20	33.340	*****							20	21.20	33.340	*****	23.20	468	468	.1070
30	15.02	33.570	*****							30	15.02	33.570	*****	24.89	307	308	.1459
50	14.34	33.850	*****							50	14.34	33.850	*****	25.25	273	274	.2041
75	10.11	34.000	*****							75	10.11	34.000	*****	26.17	185	186	.2618
100	5.45	34.020	*****							100	5.45	34.020	*****	26.87	119	120	.3002
125	2.97	33.960	*****							125	2.97	33.960	*****	27.08	99	99	.3277
145	2.55	33.970	*****														

KOREA ,JI RI SAN , STATION 208-04 , 35-11.1. N, 129-52.7. E, AUG. 9.1981, 11.30 KST, DEPTH 143 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 1, WIND S 4, BARO 1003.5, AIR TEMP. DRY 27.1, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	24.60	31.850	*****							0	24.60	31.850	*****	21.11	668	668	.0000
10	21.54	31.930	*****							10	21.54	31.930	*****	22.04	579	579	.0624
20	21.10	31.930	*****							20	21.10	31.930	*****	22.16	568	568	.1198
30	18.89	32.250	*****							30	18.89	32.250	*****	22.97	490	490	.1728
50	14.15	33.700	*****							50	14.15	33.700	*****	25.17	280	281	.2500
75	10.96	34.090	*****							75	10.96	34.090	*****	26.09	192	194	.3095
100	6.56	34.060	*****							100	6.56	34.060	*****	26.76	129	130	.3502
125	4.43	34.020	*****							125	4.43	34.020	*****	26.98	108	109	.3802
140	3.20	33.980	*****														

KOREA ,JI RI SAN , STATION 208-05 , 35-04.8. N, 130-02.0. E, AUG. 9.1981, 10.00 KST, DEPTH 140 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND S 4, BARO 1003.5, AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	25.50	31.520	*****							0	25.50	31.520	*****	20.59	718	718	.0000
10	25.50	31.880	*****							10	25.50	31.880	*****	20.86	692	692	.0705
20	18.85	32.180	*****							20	18.85	32.180	*****	22.93	494	494	.1299

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
30	16.36	33.230	*****							30	16.36	33.230	*****	24.33	361	361	.1727
50	14.84	33.600	*****							50	14.84	33.600	*****	24.95	301	302	.2392
75	14.03	33.930	*****							75	14.03	33.930	*****	25.37	261	263	.3099
100	11.16	34.000	*****							100	11.16	34.000	*****	25.99	202	204	.3684
125	6.50	34.030	*****							125	6.50	34.030	*****	26.74	131	132	.4106
135	4.31	33.010	*****														

KOREA ,JI RI SAN , STATION 208-06 , 34-58.2. N, 130-11.9. E, AUG. 9.1981, 08.30 KST, DEPTH 135 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND S 5, BARO 1003. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	25.21	******	*****							0	25.21	******	*****	*****	***	***	.0000
10	24.50	32.350	*****							10	24.50	32.350	*****	21.51	629	629	******
20	22.32	32.370	*****							20	22.32	32.370	*****	22.16	568	568	******
30	18.56	33.250	*****							30	18.56	33.250	*****	23.82	409	410	******
50	15.90	33.830	*****							50	15.90	33.830	*****	24.89	307	308	******
75	15.44	34.180	*****							75	15.44	34.180	*****	25.26	271	273	******
100	15.30	34.270	*****							100	15.30	34.270	*****	25.36	262	264	******
125	15.00	34.270	*****							125	15.00	34.270	*****	25.43	256	259	******

KOREA ,JI RI SAN , STATION 208-07 , 34-52.0. N, 130-20.9. E, AUG. 9.1981, 07.00 KST, DEPTH 130 , COLOR 3, TRANS. 17.0,

WAVE 1, SWELL 1, WIND S 4, BARO 1003. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	26.35	32.110	*****							0	26.35	32.110	*****	20.77	701	700	.0000
10	22.50	32.700	*****							10	22.50	32.700	*****	22.36	549	549	.0625
20	20.67	33.250	*****							20	20.67	33.250	*****	23.27	461	461	.1131
30	19.10	33.480	*****							30	19.10	33.480	*****	23.86	405	406	.1565
50	18.39	33.780	*****							50	18.39	33.780	*****	24.26	367	368	.2340

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
75	17.20	33.880	*****							75	17.20	33.880	*****	24.63	332	334	.5218
100	16.58	33.930	*****							100	16.58	33.930	*****	24.81	314	317	.4033
125	14.65	33.950	*****							125	14.65	33.950	*****	25.26	272	275	.4774
KOREA ,JI PI SAN , STATION 208-08 , 34-45.3. N, 130-30.6. E, AUG. 9.1981, 05.30 KST, DEPTH 130 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND S 4, BARO 1003. , AIR TEMP. DRY 24.9. WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	25.70	32.340	*****							0	25.70	32.340	*****	21.15	665	664	.0000
10	24.70	32.510	*****							10	24.70	32.510	*****	21.58	624	624	.0644
20	22.31	33.060	*****							20	22.31	33.060	*****	22.68	518	518	.1216
30	20.50	33.330	*****							30	20.50	33.330	*****	23.38	451	452	.1701
50	18.90	33.440	*****							50	18.90	33.440	*****	23.88	404	405	.2558
75	18.25	33.720	*****							75	18.25	33.720	*****	24.25	368	370	.3528
100	16.00	33.920	*****							100	16.00	33.920	*****	24.94	302	305	.4372
125	14.75	33.950	*****							125	14.75	33.950	*****	25.24	274	277	.5101
KOREA ,JI PI SAN , STATION 208-09 , 34-38.9. N, 130-40.5. E, AUG. 9.1981, 04.00 KST, DEPTH 130 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND SW 4, BARO 1003. , AIR TEMP. DRY 25.5. WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	25.80	32.280	*****							0	25.80	32.280	*****	21.07	672	672	.0000
10	25.37	32.240	*****							10	25.37	32.240	*****	21.17	662	662	.0668
20	23.75	32.260	*****							20	23.75	32.260	*****	21.67	615	615	.1307
30	20.98	32.910	*****							30	20.88	32.910	*****	22.96	491	492	.1861
50	17.70	******	*****							50	17.70	******	*****	*****	***	***	******
75	16.50	34.150	*****							75	16.50	34.150	*****	25.00	297	298	******
100	15.76	34.390	*****							100	15.76	34.390	*****	25.35	263	266	******
125	14.20	34.330	*****							125	14.20	34.330	*****	25.65	235	238	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월(October)

KOREA ,JI RI SAN , STATION 208-01 , 35-28.5. N, 129-27.3. E, OCT.12.1981, 08.20 KST, DEPTH 70 , COLOR 3, TRANS. 23.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1026. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE CC, AMT 5, WEATHER BC,

0	19.44	32.940	*****	0	19.44	32.940	*****	23.36	453	453	.0000
10	19.47	33.150	*****	10	19.47	33.150	*****	23.51	438	438	.0446
20	17.12	33.530	*****	20	17.12	33.530	*****	24.38	356	356	.0844
30	16.44	33.710	*****	30	16.44	33.710	*****	24.68	327	328	.1186
50	12.73	34.350	*****	50	12.73	34.350	*****	25.96	205	206	.1721
65	8.60	34.230	*****								

KOREA ,JI RI SAN , STATION 208-02 , 35-24.3. N, 129-33.8. E, OCT.12.1981, 07.20 KST, DEPTH 130 , COLOR 3, TRANS. 21.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1026. , AIR TEMP. DRY 19.2, WET . , CLOUD. TYPE CS, AMT 6, WEATHER BC,

0	21.20	33.430	*****	0	21.20	33.430	*****	23.27	462	461	.0000
10	21.31	33.410	*****	10	21.31	33.410	*****	23.22	466	466	.0464
20	21.40	33.560	*****	20	21.40	33.560	*****	23.31	457	458	.0927
30	21.94	33.740	*****	30	21.94	33.740	*****	23.30	459	459	.1386
50	17.27	33.820	*****	50	17.27	33.820	*****	24.57	338	339	.2185
75	10.79	34.260	*****	75	10.79	34.260	*****	26.26	177	178	.2833
100	2.54	34.250	*****	100	2.54	34.250	*****	27.35	73	74	.3149
125	2.43	34.230	*****	125	2.43	34.230	*****	27.34	74	74	.3335

KOREA ,JI RI SAN , STATION 208-03 , 35-17.8. N, 129-42.9. E, OCT.12.1981, 06.00 KST, DEPTH 150 , COLOR 3, TRANS. 20.0,
WAVE 1, SWELL 1, WIND NW 1, BARO 1023.5, AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE CC, AMT 6, WEATHER BC,

0	23.11	33.970	*****	0	23.11	33.970	*****	23.14	474	473	.0000
10	23.15	33.970	*****	10	23.15	33.970	*****	23.13	475	475	.0474

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	23.14	33.960	*****							20	23.14	33.960	*****	23.13	475	475	.0950
30	23.13	33.960	*****							30	23.13	33.960	*****	23.13	475	475	.1426
50	23.13	33.960	*****							50	23.13	33.960	*****	23.13	475	476	.2379
75	20.26	34.170	*****							75	20.26	34.170	*****	24.08	384	386	.3458
100	18.78	34.530	*****							100	18.78	34.530	*****	24.74	321	324	.4347
125	14.74	34.530	*****							125	14.74	34.530	*****	25.69	231	234	.5046
145	8.19	34.410	*****														

KOREA ,JI PI SAN , STATION 208-04 , 35-11.1. N, 129-52.7. E, OCT.12.1981, 04.40 KST, DEPTH 143 , COLOR 3, TRANS. 20.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1023. , AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	22.97	33.970	*****							0	22.97	33.970	*****	23.18	470	469	.0000
10	23.06	33.940	*****							10	23.06	33.940	*****	23.13	474	474	.0472
20	23.17	33.940	*****							20	23.17	33.940	*****	23.10	477	478	.0949
30	23.08	33.950	*****							30	23.08	33.950	*****	23.14	474	475	.1426
50	23.10	33.950	*****							50	23.10	33.950	*****	23.13	475	476	.2378
75	23.12	33.940	*****							75	23.12	33.940	*****	23.12	476	478	.3571
100	21.70	34.000	*****							100	21.70	34.000	*****	23.56	433	436	.4716
125	20.05	34.220	*****							125	20.05	34.220	*****	24.17	375	379	.5736
135	17.60	34.420	*****														

KOREA ,JI PI SAN , STATION 208-05 , 35-04.8. N, 130-02.0. E, OCT.12.1981, 03.20 KST, DEPTH 140 , COLOR 3, TRANS. 21.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	23.04	33.980	*****							0	23.04	33.980	*****	23.17	471	471	.0000
10	23.10	33.960	*****							10	23.10	33.960	*****	23.14	474	474	.0473
20	22.90	33.980	*****							20	22.90	33.980	*****	23.21	467	467	.0944
30	23.15	34.040	*****							30	23.15	34.040	*****	23.18	470	470	.1413

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	23.13	33.930	*****							50	23.13	33.930	*****	23.11	477	478	.2363
75	23.15	33.960	*****							75	23.15	33.960	*****	23.12	475	477	.3559
100	21.84	34.110	*****							100	21.84	34.110	*****	23.61	429	432	.4697
125	19.63	34.490	*****							125	19.63	34.490	*****	24.49	345	349	.5674
135	16.63	34.590	*****														

KOREA ,JI RI SAN , STATION 208-06 , 34-58.2. N, 130-11.9. E, OCT.12.1981, 02.05 KST, DEPTH 135 , COLOR 3, TRANS. 19.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	23.30	33.960	*****							0	23.30	33.960	*****	23.08	479	479	.0000
10	23.30	33.950	*****							10	23.30	33.950	*****	23.07	480	480	.0480
20	23.30	33.930	*****							20	23.30	33.930	*****	23.06	482	482	.0962
30	23.40	33.970	*****							30	23.40	33.970	*****	23.06	482	482	.1444
50	23.32	33.950	*****							50	23.32	33.950	*****	23.07	481	482	.2410
75	22.83	34.100	*****							75	22.83	34.100	*****	23.32	456	459	.3587
100	20.76	34.570	*****							100	20.76	34.570	*****	24.25	368	371	.4625
125	18.70	34.450	*****							125	18.70	34.450	*****	24.70	325	329	.5501

KOREA ,JI RI SAN , STATION 208-07 , 34-52.0. N, 130-20.9. E, OCT.12.1981, 00.45 KST, DEPTH 130 , COLOR 4, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	23.04	33.950	*****							0	23.04	33.950	*****	23.15	473	473	.0000
10	23.03	33.830	*****							10	23.03	33.830	*****	23.06	481	481	.0478
20	22.97	33.880	*****							20	22.97	33.880	*****	23.12	476	477	.0957
30	22.86	33.890	*****							30	22.86	33.890	*****	23.15	472	473	.1432
50	22.90	33.910	*****							50	22.90	33.910	*****	23.16	472	473	.2380
75	22.59	33.980	*****							75	22.59	33.980	*****	23.30	459	461	.3549

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	19.45	34.430	*****							100	19.45	34.430	*****	24.49	345	348	.4561
125	18.30	34.490	*****							125	18.30	34.490	*****	24.83	313	316	.5393

KOREA ,JI RI SAN , STATION 208-08 , 34-45.3. N, 130-30.6. E, OCT.11.1981, 23.30 KST, DEPTH 130 , COLOR 4, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	23.17	33.980	*****							0	23.17	33.980	*****	23.13	474	474	.0000
10	23.21	33.970	*****							10	23.21	33.970	*****	23.11	476	476	.0476
20	23.15	33.950	*****							20	23.15	33.950	*****	23.12	476	476	.0953
30	23.17	33.960	*****							30	23.17	33.960	*****	23.12	476	477	.1430
50	23.11	33.960	*****							50	23.11	33.960	*****	23.14	474	476	.2383
75	21.74	34.110	*****							75	21.74	34.110	*****	23.64	427	429	.3514
100	18.73	34.520	*****							100	18.73	34.520	*****	24.74	321	324	.4456
125	18.19	34.540	*****							125	18.19	34.540	*****	24.89	307	310	.5250

KOREA ,JI RI SAN , STATION 208-09 , 34-38.9. N, 130-40.5. E, OCT.11.1981, 22.10 KST, DEPTH 130 , COLOR 4, TRANS. 15.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	22.60	33.940	*****							0	22.60	33.940	*****	23.27	462	462	.0000
10	22.61	33.940	*****							10	22.61	33.940	*****	23.26	462	462	.0462
20	22.61	33.970	*****							20	22.61	33.970	*****	23.29	460	460	.0924
30	22.59	33.930	*****							30	22.59	33.930	*****	23.26	462	463	.1386
50	22.60	33.940	*****							50	22.60	33.940	*****	23.27	462	463	.2313
75	18.60	34.380	*****							75	18.60	34.380	*****	24.67	328	330	.3306
100	18.40	34.530	*****							100	18.40	34.530	*****	24.83	312	315	.4114
125	18.18	34.550	*****							125	18.18	34.550	*****	24.90	306	309	.4896

OBSERVED									INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,JI RI SAN , STATION 208-01 , 35-28.5. N, 129-27.3. E, DEC.19.1981, 14.10 KST, DEPTH 70 , COLOR 8, TRANS. 10.0,

WAVE 2, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	16.10	34.390	*****	0	16.10	34.390	*****	25.27	270	270	.0000
10	16.32	34.360	*****	10	16.32	34.360	*****	25.20	277	277	.0274
20	16.72	34.380	*****	20	16.72	34.380	*****	25.12	285	285	.0556
30	16.53	34.360	*****	30	16.53	34.360	*****	25.15	282	283	.0840
50	16.48	34.360	*****	50	16.48	34.360	*****	25.16	281	282	.1406
65	15.84	34.360	*****								

KOREA ,JI RI SAN , STATION 208-02 , 35-24.3. N, 129-33.8. E, DEC.19.1981, 13.10 KST, DEPTH 130 , COLOR 5, TRANS. 10.0,

WAVE 2, SWELL 2, WIND SW 5, BARO 1022. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	16.29	******	*****	0	16.29	******	*****	*****	***	***	.0000
10	16.84	34.340	*****	10	16.84	34.340	*****	25.06	290	290	******
20	16.72	34.350	*****	20	16.72	34.350	*****	25.10	287	287	******
30	16.62	34.350	*****	30	16.62	34.350	*****	25.12	285	285	******
50	16.58	34.350	*****	50	16.58	34.350	*****	25.13	284	285	******
75	16.41	34.350	*****	75	16.41	34.350	*****	25.17	280	282	******
100	16.39	34.350	*****	100	16.39	34.350	*****	25.18	280	282	******
125	16.35	34.350	*****	125	16.35	34.350	*****	25.19	279	282	******

KOREA ,JI RI SAN , STATION 208-03 , 35-17.8. N, 129-42.9. E, DEC.19.1981, 11.50 KST, DEPTH 150 , COLOR 6, TRANS. 12.0,

WAVE 2, SWELL 2, WIND SW 5, BARO 1022. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	15.90	34.340	*****	0	15.90	34.340	*****	25.28	270	269	.0000
10	16.91	34.350	*****	10	16.91	34.350	*****	25.06	291	291	.0281
20	16.75	34.350	*****	20	16.75	34.350	*****	25.09	288	288	.0571

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	16.60	34.350	*****							30	16.60	34.350	*****	25.13	284	285	.0858
50	16.59	34.350	*****							50	16.59	34.350	*****	25.13	284	285	.1428
75	16.58	34.350	*****							75	16.58	34.350	*****	25.13	284	286	.2143
100	16.44	34.340	*****							100	16.44	34.340	*****	25.16	281	284	.2857
125	16.25	34.340	*****							125	16.25	34.340	*****	25.20	277	281	.3564
145	16.10	34.330	*****														

KOREA ,JI PI SAN , STATION 208-04 , 35-11.1. N, 129-52.7. E, DEC.19.1981, 10.30 KST, DEPTH 143 , COLOR 6, TRANS. 12.0,

WAVE 2, SWELL 2, WIND SW 5, BARO 1022. , AIR TEMP. DRY 12.0. WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	16.32	34.360	*****							0	16.32	34.360	*****	25.20	277	277	.0000
10	16.79	34.360	*****							10	16.79	34.360	*****	25.09	288	288	.0283
20	16.66	34.350	*****							20	16.66	34.350	*****	25.11	286	286	.0570
30	16.58	34.350	*****							30	16.58	34.350	*****	25.13	284	284	.0856
50	16.65	34.350	*****							50	16.65	34.350	*****	25.12	285	286	.1428
75	16.63	34.350	*****							75	16.63	34.350	*****	25.12	285	287	.2145
100	16.54	34.350	*****							100	16.54	34.350	*****	25.14	283	285	.2862
125	16.38	******	*****							125	16.38	******	*****	*****	***	***	******
140	16.33	34.350	*****														

KOREA ,JI PI SAN , STATION 208-05 , 35-04.8. N, 130-02.0. E, DEC.19.1981, 09.10 KST, DEPTH 140 , COLOR 6, TRANS. 11.0,

WAVE 2, SWELL 2, WIND SW 3, BARO 1022.5, AIR TEMP. DRY 12.2. WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	16.78	34.360	*****							0	16.78	34.360	*****	25.09	287	287	.0000
10	16.85	34.350	*****							10	16.85	34.350	*****	25.07	290	290	.0289
20	16.82	34.350	*****							20	16.82	34.350	*****	25.08	289	289	.0579
30	16.81	34.350	*****							30	16.81	34.350	*****	25.08	289	289	.0869

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	16.75	34.350	*****							50	16.75	34.350	*****	25.09	288	289	.1448
75	16.64	34.360	*****							75	16.64	34.360	*****	25.13	284	286	.2168
100	16.58	34.350	*****							100	16.58	34.350	*****	25.13	284	286	.2885
125	16.25	34.350	*****							125	16.25	34.350	*****	25.21	277	280	.3594
135	16.15	34.350	*****														

KOREA ,JI DI SAN , STATION 208-06 , 34-58.2. N, 130-11.9. E, DEC.19.1981, 07.55 KST, DEPTH 135 , COLOR 6, TRANS. 11.0,

WAVE 1, SWELL 2, WIND W 3, BARO 1023. , AIR TEMP. DRY 12.6, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	16.28	******	*****				0	16.28	******	*****	*****	***	***	.0000	
10	16.87	34.350	*****				10	16.87	34.350	*****	25.07	290	290	******	
20	16.84	34.380	*****				20	16.84	34.380	*****	25.10	287	288	******	
30	16.72	34.350	*****				30	16.72	34.350	*****	25.10	287	287	******	
50	16.54	34.370	*****				50	16.54	34.370	*****	25.16	281	283	******	
75	16.52	34.360	*****				75	16.52	34.360	*****	25.16	282	284	******	
100	16.49	34.360	*****				100	16.49	34.360	*****	25.16	281	284	******	
125	16.43	34.350	*****				125	16.43	34.350	*****	25.17	280	284	******	

KOREA ,JI DI SAN , STATION 208-07 , 34-52.0. N, 130-20.9. E, DEC.19.1981, 06.35 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE 1, SWELL 1, WIND W 2, BARO 1023.5, AIR TEMP. DRY 12.7, WET . , CLOUD. TYPE , AMT , WEATHER C ,

0	16.80	34.350	*****				0	16.80	34.350	*****	25.08	289	288	.0000	
10	17.10	34.360	*****				10	17.10	34.360	*****	25.02	295	295	.0292	
20	16.90	34.360	*****				20	16.90	34.360	*****	25.07	290	290	.0585	
30	16.87	34.350	*****				30	16.87	34.350	*****	25.07	290	291	.0876	
50	16.53	34.360	*****				50	16.53	34.360	*****	25.15	282	283	.1451	
75	16.23	34.350	*****				75	16.23	34.350	*****	25.21	276	278	.2154	

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
100	16.18	34.360	*****							100	16.18	34.360	*****	25.23	274	277	.2846
125	16.08	34.370	*****							125	16.08	34.370	*****	25.26	271	275	.3539
KOREA ,JI RI SAN , STATION 208-08 , 34-45.3. N, 130-30.6. E, DEC.19.1981, 05.20 KST, DEPTH 130 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NE 5, BARO 1026.5, AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	16.21	34.380	*****							0	16.21	34.380	*****	25.24	273	273	.0000
10	16.92	34.350	*****							10	16.92	34.350	*****	25.05	291	291	.0283
20	16.90	34.350	*****							20	16.90	34.350	*****	25.06	291	291	.0575
30	16.83	34.360	*****							30	16.83	34.360	*****	25.08	289	289	.0865
50	16.80	34.350	*****							50	16.80	34.350	*****	25.08	289	290	.1445
75	16.74	34.350	*****							75	16.74	34.350	*****	25.10	287	289	.2170
100	16.70	34.340	*****							100	16.70	34.340	*****	25.10	287	290	.2895
125	16.39	34.340	*****							125	16.39	34.340	*****	25.17	280	284	.3613
KOREA ,JI PI SAN , STATION 208-09 , 34-38.9. N, 130-40.5. E, DEC.19.1981, 04.00 KST, DEPTH 130 , COLOR , TRANS. . ,																	
WAVE 1, SWELL 1, WIND NE 5, BARO 1027. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE , AMT , WEATHER C ,																	
0	16.10	34.360	*****							0	16.10	34.360	*****	25.25	273	272	.0000
10	16.90	34.340	*****							10	16.90	34.340	*****	25.05	292	292	.0282
20	16.90	34.350	*****							20	16.90	34.350	*****	25.06	291	291	.0574
30	16.86	34.350	*****							30	16.86	34.350	*****	25.07	290	291	.0866
50	16.85	34.350	*****							50	16.85	34.350	*****	25.07	290	291	.1446
75	16.84	34.350	*****							75	16.84	34.350	*****	25.07	290	291	.2178
100	16.82	34.340	*****							100	16.82	34.340	*****	25.07	290	292	.2909
125	16.73	34.340	*****							125	16.73	34.340	*****	25.09	288	291	.3640

남 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA: SOUTHERN WATERS

1 9 8 1

207선 해양관측 성적

Oceanographic Data. Line 207

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-01.3. N, 129-07.2. E, FEB.12.1981, 15.00 KST, DEPTH 84 , COLOR 5, TRANS. 5.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1009. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	10.94	34.400	*****						0	10.94	34.400	*****	26.34	169	169	.0000
10	10.92	34.470	*****						10	10.92	34.470	*****	26.40	164	164	.0167
20	10.90	34.400	*****						20	10.90	34.400	*****	26.35	169	169	.0333
30	10.91	34.320	*****						30	10.91	34.320	*****	26.28	175	175	.0506
50	10.44	34.210	*****						50	10.44	34.210	*****	26.28	175	176	.0857
75	9.84	34.160	*****						75	9.84	34.160	*****	26.34	169	170	.1291

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-57.6. N, 129-11.2. E, FEB.12.1981, 16.20 KST, DEPTH 103 , COLOR 5, TRANS. 4.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1008. , AIR TEMP. DRY 8.6, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	11.65	34.340	*****						0	11.65	34.340	*****	26.16	186	186	.0000
10	11.69	34.350	*****						10	11.69	34.350	*****	26.16	186	186	.0186
20	11.75	34.350	*****						20	11.75	34.350	*****	26.15	187	187	.0373
30	11.75	34.360	*****						30	11.75	34.360	*****	26.16	186	187	.0561
50	11.73	34.370	*****						50	11.73	34.370	*****	26.17	185	186	.0935
75	11.75	34.330	*****						75	11.75	34.330	*****	26.14	189	190	.1406
100	11.72	34.360	*****						100	11.72	34.360	*****	26.16	186	188	.1879

KOREA ,TAE BAEK SAN , STATION 207-03 , 34-53.9. N, 129-15.4. E, FEB.12.1981, 17.04 KST, DEPTH 115 , COLOR 4, TRANS. 3.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1006. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.48	34.460	*****						0	12.48	34.460	*****	26.10	192	192	.0000
10	12.54	34.480	*****						10	12.54	34.480	*****	26.10	192	192	.0192

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D T	SVA	D DY
20	12.46	34.430	*****							20	12.46	34.430	*****	26.08	194	194	.0386
30	12.34	34.440	*****							30	12.34	34.440	*****	26.11	191	192	.0579
50	12.25	34.440	*****							50	12.25	34.440	*****	26.13	189	190	.0962
75	12.15	34.360	*****							75	12.15	34.360	*****	26.08	194	195	.1445
100	11.36	34.270	*****							100	11.36	34.270	*****	26.16	186	188	.1925
110	11.48	34.210	*****														

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-50.2. N, 129-19.5. E, FEB.12.1981, 18.05 KST, DEPTH 240 , COLOR 4, TRANS. 3.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1006. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE NS, AMT 7, WEATHER C ,

0	12.84	34.520	*****							0	12.84	34.520	*****	26.07	195	194	.0000
10	12.90	34.550	*****							10	12.90	34.550	*****	26.08	193	193	.0194
20	12.65	34.490	*****							20	12.65	34.490	*****	26.09	193	193	.0388
30	12.73	34.450	*****							30	12.73	34.450	*****	26.04	198	198	.0584
50	12.89	34.520	*****							50	12.89	34.520	*****	26.06	195	196	.0980
75	13.31	34.580	*****							75	13.31	34.580	*****	26.02	199	201	.1478
100	13.44	34.600	*****							100	13.44	34.600	*****	26.01	200	202	.1983
125	13.44	34.600	*****							125	13.44	34.600	*****	26.01	200	203	.2491
150	13.38	34.600	*****							150	13.38	34.600	*****	26.03	199	203	.3000
200	13.18	34.580	*****							200	13.18	34.580	*****	26.05	197	201	.4012
230	12.95	34.550	*****														

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-48.0. N, 129-21.8. E, FEB.12.1981, 09.55 KST, DEPTH 160 , COLOR 4, TRANS. 3.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1006. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	13.38	34.600	*****							0	13.38	34.600	*****	26.03	199	199	.0000
10	13.15	34.580	*****							10	13.15	34.580	*****	26.06	196	196	.0198

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	13.44	34.560	*****							20	13.44	34.560	*****	25.98	203	203	.0398
30	13.30	34.580	*****							30	13.30	34.580	*****	26.03	199	199	.0600
50	13.18	34.570	*****							50	13.18	34.570	*****	26.04	197	198	.0999
75	13.20	34.560	*****							75	13.20	34.560	*****	26.03	198	200	.1498
100	13.15	34.560	*****							100	13.15	34.560	*****	26.04	198	200	.1999
125	13.14	34.570	*****							125	13.14	34.570	*****	26.05	197	199	.2499
150	13.20	34.570	*****							150	13.20	34.570	*****	26.04	198	201	.3001

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-01.3. N, 129-07.2. E, APR. 6.1981, 14.40 KST, DEPTH 84 , COLOR 4, TRANS. 9.0,

WAVE S 1, SWELL , WIND S 1, BARO 1009. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	11.98	34.230	*****							0	11.98	34.230	*****	26.01	200	200	.0000
10	11.40	34.230	*****							10	11.40	34.230	*****	26.12	190	190	.0195
20	11.30	34.240	*****							20	11.30	34.240	*****	26.15	187	187	.0384
30	11.30	34.290	*****							30	11.30	34.290	*****	26.19	184	184	.0570
50	11.30	34.290	*****							50	11.30	34.290	*****	26.19	184	184	.0940
75	11.29	34.320	*****							75	11.29	34.320	*****	26.21	181	183	.1399

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-57.6. N, 129-11.2. E, APR. 6.1981, 15.20 KST, DEPTH 103 , COLOR 3, TRANS. 11.0,

WAVE S 1, SWELL S 1, WIND S 1, BARO 1009. , AIR TEMP. DRY 15.0, WET 7. , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	14.19	34.570	*****							0	14.19	34.570	*****	25.83	217	217	.0000
10	13.50	34.560	*****							10	13.50	34.560	*****	25.97	204	204	.0211
20	13.40	34.550	*****							20	13.40	34.550	*****	25.98	203	203	.0415
30	13.10	34.520	*****							30	13.10	34.520	*****	26.02	199	200	.0617
50	13.32	34.540	*****							50	13.32	34.540	*****	25.99	202	203	.1022

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	13.45	34.560	*****							75	13.45	34.560	*****	25.98	203	205	.1533
100	13.40	34.550	*****							100	13.40	34.550	*****	25.98	203	205	.2047

KOREA ,TAE BAEK SAN , STATION 207-03 , 34-53.9. N, 129-15.4. E, APR. 6.1981, 16.10 KST, DEPTH 115 , COLOR 3, TRANS. 11.0,
WAVE S 1, SWELL S 1, WIND S 2, BARO 1000. , AIR TEMP. DRY 15.0. WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	14.70	34.610	*****	0	14.70	34.610	*****	25.76	225	224	.0000
10	13.77	34.600	*****	10	13.77	34.600	*****	25.94	207	207	.0216
20	13.60	34.590	*****	20	13.60	34.590	*****	25.97	204	204	.0422
30	13.50	34.570	*****	30	13.50	34.570	*****	25.98	204	204	.0627
50	13.12	34.540	*****	50	13.12	34.540	*****	26.03	198	199	.1031
75	12.78	34.510	*****	75	12.78	34.510	*****	26.08	194	196	.1526
100	11.60	34.450	*****	100	11.60	34.450	*****	26.26	177	179	.1996
110	11.50	34.410	*****							

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-50.2. N, 129-19.5. E, APR. 6.1981, 17.00 KST, DEPTH 240 , COLOR 3, TRANS. 10.0,
WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1000. , AIR TEMP. DRY 15.0. WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	14.62	34.660	*****	0	14.62	34.660	*****	25.81	219	219	.0000
10	14.20	34.620	*****	10	14.20	34.620	*****	25.87	214	214	.0217
20	13.79	34.610	*****	20	13.79	34.610	*****	25.95	206	207	.0427
30	13.39	34.560	*****	30	13.39	34.560	*****	25.99	202	203	.0633
50	13.20	34.510	*****	50	13.20	34.510	*****	25.99	202	203	.1039
75	13.05	34.490	*****	75	13.05	34.490	*****	26.01	201	202	.1547
100	12.90	34.490	*****	100	12.90	34.490	*****	26.04	198	200	.2052
125	12.72	34.460	*****	125	12.72	34.460	*****	26.05	197	200	.2552
150	12.40	34.440	*****	150	12.40	34.440	*****	26.10	192	196	.3047

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
200	11.94	34.400	*****							200	11.94	34.400	*****	26.15	187	191	.4017
230	10.97	34.330	*****														

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-48.0. N, 129-21.8. E, APR. 6.1981, 17.40 KST, DEPTH 160 , COLOR 3, TRANS. 10.0,

WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1000. , AIR TEMP. DRY 14.8, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	15.30	34.690	*****							0	15.30	34.690	*****	25.69	231	231	.0000
10	14.50	34.660	*****							10	14.50	34.660	*****	25.84	217	217	.0224
20	14.39	34.660	*****							20	14.39	34.660	*****	25.86	215	215	.0441
30	14.02	34.640	*****							30	14.02	34.640	*****	25.92	209	209	.0653
50	13.56	34.580	*****							50	13.56	34.580	*****	25.97	204	205	.1068
75	13.19	34.530	*****							75	13.19	34.530	*****	26.01	200	202	.1579
100	13.03	34.520	*****							100	13.03	34.520	*****	26.03	198	200	.2083
125	12.47	34.440	*****							125	12.47	34.440	*****	26.08	194	196	.2580
150	11.99	34.400	*****							150	11.99	34.400	*****	26.14	188	191	.3065

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-01.3. N, 129-07.2. E, JUN.19.1981, 01.40 KST, DEPTH 84 , COLOR , TRANS. . ,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1005.5, AIR TEMP. DRY 19.5, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	19.32	******	*****							0	19.32	******	*****	*****	***	***	.0000
10	17.43	33.520	*****							10	17.43	33.520	*****	24.30	363	363	******
20	15.47	33.780	*****							20	15.47	33.780	*****	24.95	301	302	******
30	13.80	******	*****							30	13.80	******	*****	*****	***	***	******
50	13.17	33.960	*****							50	13.17	33.960	*****	25.57	242	243	******
75	12.80	34.400	*****							75	12.80	34.400	*****	25.99	203	204	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 207-02 , 34-57.6. N, 129-11.2. E, JUN.19.1981, 00.40 KST, DEPTH 103 , COLOR , TRANS. . .

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1006. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.26	32.990	*****							0	17.26	32.990	*****	23.93	398	398	.0000
10	13.68	33.690	*****							10	13.68	33.690	*****	25.26	272	272	.0335
20	13.88	33.690	*****							20	13.88	33.690	*****	25.22	276	276	.0609
30	13.45	33.920	*****							30	13.45	33.920	*****	25.49	250	251	.0873
50	13.89	34.250	*****							50	13.89	34.250	*****	25.65	235	236	.1360
75	13.44	******	*****							75	13.44	******	*****	*****	***	***	******
100	13.63	******	*****							100	13.63	******	*****	*****	***	***	******

KOREA ,TAE PAEK SAN , STATION 207-03 , 34-53.9. N, 129-15.4. E, JUN.18.1981, 23.50 KST, DEPTH 115 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NE 1, BARO 1006. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.63	32.900	*****							0	19.63	32.900	*****	23.28	460	460	.0000
10	17.94	33.240	*****							10	17.94	33.240	*****	23.96	395	395	.0428
20	15.60	33.580	*****							20	15.60	33.580	*****	24.77	319	319	.0786
30	13.77	33.480	*****							30	13.77	33.480	*****	25.08	289	289	.1091
50	13.15	33.760	*****							50	13.15	33.760	*****	25.42	256	257	.1638
75	12.60	34.010	*****							75	12.60	34.010	*****	25.72	228	229	.2247

KOREA ,TAE PAEK SAN , STATION 207-04 , 34-50.2. N, 129-19.5. E, JUN.18.1981, 22.50 KST, DEPTH 238 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NE 1, BARO 1006. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.58	33.330	*****							0	20.58	33.330	*****	23.36	453	453	.0000
10	19.84	33.380	*****							10	19.84	33.380	*****	23.59	431	431	.0442
20	17.93	33.390	*****							20	17.93	33.390	*****	24.08	384	385	.0850

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	16.25	33.890	*****							30	16.25	33.890	*****	24.86	310	311	.1199
50	15.66	33.900	*****							50	15.66	33.900	*****	25.00	297	298	.1808
75	15.20	33.950	*****							75	15.20	33.950	*****	25.14	283	285	.2538
100	15.02	33.980	*****							100	15.02	33.980	*****	25.20	277	280	.3245
125	15.34	34.070	*****							125	15.34	34.070	*****	25.20	277	281	.3946
150	14.99	34.150	*****							150	14.99	34.150	*****	25.34	264	268	.4633
200	14.75	34.330	*****							200	14.75	34.330	*****	25.53	246	251	.5934
235	6.69	34.390	*****														

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-48.0. N, 129-21.8. E, JUN.18.1981, 22.10 KST, DEPTH 160 , COLOR 3, TRANS. 11.0,

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1006. , AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	21.02	33.370	*****	23.27	461	461	.0000
10	20.56	33.450	*****	23.45	444	444	.0453
20	19.98	33.530	*****	23.67	423	424	.0887
30	18.94	33.750	*****	24.10	382	383	.1291
50	18.43	33.970	*****	24.40	354	355	.2030
75	16.81	33.990	*****	24.80	315	317	.2871
100	15.96	34.020	*****	25.02	294	297	.3639
125	15.81	34.210	*****	25.20	277	280	.4362
150	15.52	34.270	*****	25.31	267	271	.5052

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-01.3. N, 129-07.2. E, AUG.21.1981, 16.10 KST, DEPTH 84 , COLOR , TRANS. . ,
WAVE E 1, SWELL E 1, WIND E 1, BARO 994. , AIR TEMP. DRY 29.3, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,

0	26.34	30.590	*****	0	26.34	30.590	*****	19.63	810	810	.0000
10	22.76	31.310	*****	10	22.76	31.310	*****	21.23	656	656	.0733
20	17.25	33.170	*****	20	17.25	33.170	*****	24.07	385	385	.1255
30	11.41	33.710	*****	30	11.41	33.710	*****	25.72	228	229	.1562
50	11.12	33.950	*****	50	11.12	33.950	*****	25.96	205	206	.1998
75	10.99	34.010	*****	75	10.99	34.010	*****	26.03	199	200	.2507

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-57.6. N, 129-11.2. E, AUG.21.1981, 15.40 KST, DEPTH 103 , COLOR 4, TRANS. 17.0,
WAVE E 1, SWELL E 1, WIND E 1, BARO 994. , AIR TEMP. DRY 29.4, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	27.39	30.790	*****	0	27.39	30.790	*****	19.45	827	827	.0000
10	26.65	******	*****	10	26.65	******	*****	*****	***	***	******
20	21.10	31.950	*****	20	21.10	31.950	*****	22.17	566	567	******
30	15.88	32.700	*****	30	15.88	32.700	*****	24.03	389	390	******
50	14.69	34.140	*****	50	14.69	34.140	*****	25.40	259	260	******
75	14.21	34.140	*****	75	14.21	34.140	*****	25.50	249	251	******
100	6.50	34.100	*****	100	6.50	34.100	*****	26.80	126	127	******

KOREA ,TAE BAEK SAN , STATION 207-03 , 34-53.9. N, 129-15.4. E, AUG.21.1981, 15.00 KST, DEPTH 115 , COLOR 4, TRANS. 9.0,
WAVE E 1, SWELL E 1, WIND E 1, BARO 994. , AIR TEMP. DRY 29.6, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	27.91	31.650	*****	0	27.91	31.650	*****	19.93	781	781	.0000
10	28.06	32.290	*****	10	28.06	32.290	*****	20.36	740	740	.0761

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	21.17	33.600	*****							20	21.17	33.600	*****	23.40	449	449	.1356
30	15.22	33.660	*****							30	15.22	33.660	*****	24.91	305	305	.1733
50	14.10	33.750	*****							50	14.10	33.750	*****	25.22	275	276	.2316
75	14.71	34.270	*****							75	14.71	34.270	*****	25.49	250	251	.2977
100	14.61	34.190	*****							100	14.61	34.190	*****	25.45	254	256	.3613
110	10.26	34.220	*****														

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-50.2. N, 129-19.5. E, AUG.21.1981, 14.10 KST, DEPTH 240 , COLOR 4, TRANS. 16.0,

WAVE E 1, SWELL E 1, WIND E 1, BARO 994. , AIR TEMP. DRY 30.2, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	28.29	32.240	*****							0	28.29	32.240	*****	20.25	751	750	.0000
10	28.07	32.290	*****							10	28.07	32.290	*****	20.36	740	740	.0746
20	23.38	32.320	*****							20	23.38	32.320	*****	21.82	600	600	.1417
30	21.65	34.070	*****							30	21.65	34.070	*****	23.63	427	428	.1931
50	20.11	34.220	*****							50	20.11	34.220	*****	24.16	377	378	.2738
75	16.33	34.290	*****							75	16.33	34.290	*****	25.15	283	285	.3567
100	15.74	34.310	*****							100	15.74	34.310	*****	25.30	268	271	.4263
125	12.81	34.390	*****							125	12.81	34.390	*****	25.98	204	206	.4860
150	9.04	34.370	*****							150	9.04	34.370	*****	26.64	141	143	.5299
200	5.48	34.320	*****							200	5.48	34.320	*****	27.10	97	99	.5907
235	3.64	34.050	*****														

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-48.0. N, 129-21.8. E, AUG.21.1981, 13.50 KST, DEPTH 160 , COLOR 4, TRANS. 16.0,

WAVE E 1, SWELL E 1, WIND E 1, BARO 995. , AIR TEMP. DRY 31.5, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	28.30	32.500	*****							0	28.30	32.500	*****	20.44	732	732	.0000
10	28.09	32.430	*****							10	28.09	32.430	*****	20.46	731	731	.0732

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	27.92	32.820	*****							20	27.92	32.820	*****	20.81	697	698	.1446
30	24.31	33.950	*****							30	24.31	33.950	*****	22.78	508	509	.2050
50	21.09	******	*****							50	21.09	******	*****	*****	***	***	******
75	20.00	34.390	*****							75	20.00	34.390	*****	24.32	362	364	******
100	17.83	34.540	*****							100	17.83	34.540	*****	24.98	298	301	******
125	15.79	34.430	*****							125	15.79	34.430	*****	25.38	261	264	******
150	11.69	34.420	*****							150	11.69	34.420	*****	26.22	181	184	******

10월(October)

KOREA ,JI DI SAN , STATION 207-01 , 35-01.3. N, 129-07.2. E, OCT.12.1981, 11.50 KST, DEPTH 84 , COLOR 5, TRANS. 19.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1025.5, AIR TEMP. DRY 23.6, WET . , CLOUD. TYPE CS, AMT 2, WEATHER P ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	19.64	32.300	*****							0	19.64	32.300	*****	22.82	504	504	.0000
10	20.01	32.440	*****							10	20.01	32.440	*****	22.83	503	503	.0504
20	20.30	33.180	*****							20	20.30	33.180	*****	23.32	457	457	.0985
30	19.99	33.200	*****							30	19.99	33.200	*****	23.41	448	448	.1438
50	17.18	33.530	*****							50	17.18	33.530	*****	24.36	357	358	.2245
75	12.25	34.020	*****							75	12.25	34.020	*****	25.80	220	222	.2971

KOREA ,JI DI SAN , STATION 207-02 , 34-57.6. N, 129-11.2. E, OCT.12.1981, 12.35 KST, DEPTH 103 , COLOR 3, TRANS. 20.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1025. , AIR TEMP. DRY 22.4, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
0	22.44	32.930	*****							0	22.44	32.930	*****	22.55	531	530	.0000
10	22.38	32.900	*****							10	22.38	32.900	*****	22.54	531	531	.0531
20	22.36	33.400	*****							20	22.36	33.400	*****	22.92	494	495	.1045
30	22.18	33.850	*****							30	22.18	33.850	*****	23.32	457	458	.1521

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	20.20	33.940	*****							50	20.20	33.940	*****	23.92	399	400	.2380
75	16.50	34.120	*****							75	16.50	34.120	*****	24.98	299	301	.3258
100	15.10	******	*****							100	15.10	******	*****	*****	***	***	******

KOREA ,JI PI SAN , STATION 207-03 , 34-53.9. N, 129-15.4. E, OCT.12.1981, 13.25 KST, DEPTH 115 , COLOR 3, TRANS. 19.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1025. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

0	19.71	33.120	*****	0	19.71	33.120	*****	23.43	446	446	.0000
10	20.07	33.080	*****	10	20.07	33.080	*****	23.30	458	458	.0453
20	20.13	33.110	*****	20	20.13	33.110	*****	23.31	458	458	.0911
30	19.88	33.110	*****	30	19.88	33.110	*****	23.37	451	452	.1367
50	19.20	33.870	*****	50	19.20	33.870	*****	24.13	380	381	.2201
75	16.30	33.970	*****	75	16.30	33.970	*****	24.91	305	307	.3062
100	15.80	34.070	*****	100	15.80	34.070	*****	25.10	287	290	.3809
110	9.12	34.280	*****								

KOREA ,JI PI SAN , STATION 207-04 , 34-50.2. N, 129-19.5. E, OCT.12.1981, 14.15 KST, DEPTH 240 , COLOR 3, TRANS. 20.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1023.5, AIR TEMP. DRY 24.0, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

0	22.23	33.340	*****	0	22.23	33.340	*****	22.92	495	495	.0000
10	22.17	33.320	*****	10	22.17	33.320	*****	22.92	495	495	.0496
20	22.15	33.330	*****	20	22.15	33.330	*****	22.93	494	494	.0991
30	22.01	33.430	*****	30	22.01	33.430	*****	23.05	483	484	.1480
50	22.06	33.820	*****	50	22.06	33.820	*****	23.33	456	457	.2422
75	20.07	33.810	*****	75	20.07	33.810	*****	23.86	405	407	.3504
100	17.24	33.920	*****	100	17.24	33.920	*****	24.65	330	333	.4430
125	15.72	34.160	*****	125	15.72	34.160	*****	25.13	279	282	.5200

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
150	10.42	34.020	*****							150	10.42	34.020	*****	26.14	189	191	.5793
200	4.10	34.080	*****							200	4.10	34.080	*****	27.07	100	102	.6528
235	3.91	34.060	*****														

KOREA ,JI RI SAN , STATION 207-05 , 34-48.0, N, 129-21.8. E, OCT.12.1981, 14.55 KST, DEPTH 160 , COLOR 2, TRANS. 20.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1024. , AIR TEMP. DRY 25.6, WET . , CLOUD. TYPE CU, AMT 1, WEATHER B ,

0	23.15	33.460	*****							0	23.15	33.460	*****	22.75	511	511	.0000
10	22.97	33.410	*****							10	22.97	33.410	*****	22.76	510	510	.0511
20	20.55	33.510	*****							20	20.55	33.510	*****	23.50	439	440	.0987
30	21.44	33.640	*****							30	21.44	33.640	*****	23.36	453	453	.1433
50	19.65	33.960	*****							50	19.65	33.960	*****	24.08	384	385	.2273
75	17.48	34.500	*****							75	17.48	34.500	*****	25.04	293	295	.3125
100	17.40	34.590	*****							100	17.40	34.590	*****	25.12	285	287	.3854
125	15.99	34.560	*****							125	15.99	34.560	*****	25.43	256	259	.4538
150	10.28	34.340	*****							150	10.28	34.340	*****	26.41	163	165	.5070

12월 (December)

KOREA ,TAE BAEK SAN , STATION 207-01 , 35-01.3. N, 129-07.2. E, DEC. 7.1981, 14.25 KST, DEPTH 80 , COLOR 4, TRANS. 12.0,

WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1015. , AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	17.05	34.340	*****							0	17.05	34.340	*****	25.02	295	295	.0000
10	17.48	34.360	*****							10	17.48	34.360	*****	24.93	303	303	.0300
20	17.47	34.330	*****							20	17.47	34.330	*****	24.91	305	306	.0604
30	17.10	34.290	*****							30	17.10	34.290	*****	24.97	300	300	.0908
50	16.31	34.290	*****							50	16.31	34.290	*****	25.15	282	283	.1493
75	15.73	34.330	*****							75	15.73	34.330	*****	25.31	267	269	.2184

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 207-02 , 34-57.6. N, 129-11.2. E, DEC. 7.1981, 15.05 KST, DEPTH 103 , COLOR 4, TRANS. 11.0.

WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1015. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.69	34.330	*****							0	16.69	34.330	*****	25.09	288	287	.0000
10	17.32	34.330	*****							10	17.32	34.330	*****	24.94	302	302	.0295
20	17.45	34.300	*****							20	17.45	34.300	*****	24.89	307	307	.0600
30	17.50	34.320	*****							30	17.50	34.320	*****	24.89	307	307	.0908
50	16.85	34.270	*****							50	16.85	34.270	*****	25.01	296	297	.1513
75	16.49	34.350	*****							75	16.49	34.350	*****	25.15	282	284	.2240
100	16.21	34.470	*****							100	16.21	34.470	*****	25.31	267	269	.2933

KOREA ,TAE BAEK SAN , STATION 207-03 , 34-53.9. N, 129-15.4. E, DEC. 7.1981, 15.45 KST, DEPTH 105 , COLOR 4, TRANS. 12.0.

WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1015. , AIR TEMP. DRY 9.9, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	16.22	34.320	*****							0	16.22	34.320	*****	25.19	278	278	.0000
10	16.06	34.300	*****							10	16.06	34.300	*****	25.21	276	276	.0277
20	16.70	34.280	*****							20	16.70	34.280	*****	25.05	292	292	.0562
30	16.68	34.290	*****							30	16.68	34.290	*****	25.06	290	291	.0854
50	16.46	34.250	*****							50	16.46	34.250	*****	25.08	288	290	.1435
75	16.29	34.260	*****							75	16.29	34.260	*****	25.13	284	286	.2156
100	16.25	34.270	*****							100	16.25	34.270	*****	25.15	282	285	.2870

KOREA ,TAE BAEK SAN , STATION 207-04 , 34-50.2. N, 129-19.5. E, DEC. 7.1981, 16.45 KST, DEPTH 210 , COLOR 3, TRANS. 11.0.

WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1016. , AIR TEMP. DRY 9.1, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	17.21	34.350	*****							0	17.21	34.350	*****	24.99	298	298	.0000
10	17.94	34.320	*****							10	17.94	34.320	*****	24.79	317	317	.0308

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	18.06	34.310	*****							20	18.06	34.310	*****	24.75	320	321	.0627
30	18.14	34.340	*****							30	18.14	34.340	*****	24.75	320	321	.0948
50	17.49	34.400	*****							50	17.49	34.400	*****	24.96	301	302	.1572
75	16.88	34.480	*****							75	16.88	34.480	*****	25.16	281	283	.2304
100	14.36	34.420	*****							100	14.36	34.420	*****	25.68	232	234	.2951
125	10.31	34.290	*****							125	10.31	34.290	*****	26.36	167	169	.3456
150	8.55	34.370	*****							150	8.55	34.370	*****	26.72	133	136	.3839
200	5.50	34.440	*****							200	5.50	34.440	*****	27.19	88	90	.4407

KOREA ,TAE BAEK SAN , STATION 207-05 , 34-48.0. N, 129-21.8. E, DEC. 7.1981, 17.45 KST, DEPTH 160 , COLOR , TRANS. . ,

WAVE NW 1, SWELL NW 1, WIND NW 3, BARO 1015. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.85	34.340	*****							0	17.85	34.340	*****	24.82	313	313	.0000
10	18.08	34.340	*****							10	18.08	34.340	*****	24.77	319	319	.0316
20	18.08	34.340	*****							20	18.08	34.340	*****	24.77	319	319	.0636
30	18.00	34.330	*****							30	18.00	34.330	*****	24.78	318	318	.0955
50	18.08	34.350	*****							50	18.08	34.350	*****	24.77	318	319	.1593
75	18.11	34.350	*****							75	18.11	34.350	*****	24.77	319	321	.2394
100	18.05	34.320	*****							100	18.05	34.320	*****	24.76	319	322	.3199
125	17.62	34.360	*****							125	17.62	34.360	*****	24.89	307	310	.3990
150	15.70	34.390	*****							150	15.70	34.390	*****	25.37	262	266	.4711

206선 해양관측 정점

Oceanographic Data. Line 206

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-35.5. N, 128-34.5. E, FEB.13.1981, 04.00 KST, DEPTH 62 , COLOR 4, TRANS. 4.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1007.5, AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.54	34.540	*****							0	12.54	34.540	*****	26.15	187	187	.0000
10	12.53	34.540	*****							10	12.53	34.540	*****	26.15	187	187	.0188
20	12.55	34.520	*****							20	12.55	34.520	*****	26.13	189	189	.0376
30	12.52	34.580	*****							30	12.52	34.580	*****	26.18	184	185	.0564
50	12.56	34.550	*****							50	12.56	34.550	*****	26.15	187	188	.0937
60	11.24	34.410	*****														

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-29.6. N, 128-41.2. E, FEB.13.1981, 02.45 KST, DEPTH 70 , COLOR 4, TRANS. 3.0,

WAVE N 3, SWELL NW 1, WIND NW 4, BARO 1007.5, AIR TEMP. DRY 10.1, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.49	34.550	*****							0	12.49	34.550	*****	26.16	186	185	.0000
10	12.55	34.530	*****							10	12.55	34.530	*****	26.14	188	188	.0187
20	12.55	34.520	*****							20	12.55	34.520	*****	26.13	189	189	.0377
30	12.54	34.530	*****							30	12.54	34.530	*****	26.14	188	189	.0566
50	12.60	34.530	*****							50	12.60	34.530	*****	26.13	189	190	.0946
67	12.59	34.530	*****														

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-22.4. N, 128-49.7. E, FEB.13.1981, 01.30 KST, DEPTH 94 , COLOR 4, TRANS. 3.0,

WAVE N 4, SWELL NW 1, WIND N 4, BARO 1006. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.99	34.580	*****							0	12.99	34.580	*****	26.09	193	193	.0000
10	13.05	34.580	*****							10	13.05	34.580	*****	26.08	194	194	.0194
20	13.03	34.580	*****							20	13.03	34.580	*****	26.08	194	194	.0388

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	13.04	34.590	*****							30	13.04	34.590	*****	26.09	193	194	.0583
50	13.04	34.610	*****							50	13.04	34.610	*****	26.10	192	193	.0970
75	13.04	34.580	*****							75	13.04	34.580	*****	26.08	194	196	.1457
90	12.94	34.590	*****														

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-15.3. N, 128-58.0. E, FEB.13.1981, 00.25 KST, DEPTH 110 , COLOR 5, TRANS. 4.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1007. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.41	34.560	*****							0	12.41	34.560	*****	26.19	184	183	.0000
10	12.40	34.550	*****							10	12.40	34.550	*****	26.18	184	184	.0184
20	12.21	34.540	*****							20	12.21	34.540	*****	26.21	181	182	.0367
30	11.83	34.460	*****							30	11.83	34.460	*****	26.22	180	181	.0549
50	11.82	34.460	*****							50	11.82	34.460	*****	26.22	180	181	.0912
75	11.41	34.430	*****							75	11.41	34.430	*****	26.28	175	177	.1360
100	11.57	34.390	*****							100	11.57	34.390	*****	26.22	181	183	.1811

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-08.1. N, 129-06.3. E, FEB.12.1981, 23.15 KST, DEPTH 130 , COLOR 4, TRANS. 3.0,
WAVE NW 4, SWELL NW 1, WIND NW 4, BARO 1006.5, AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.98	34.550	*****							0	12.98	34.550	*****	26.07	195	195	.0000
10	13.11	34.560	*****							10	13.11	34.560	*****	26.05	197	197	.0196
20	13.05	34.570	*****							20	13.05	34.570	*****	26.07	195	195	.0393
30	13.12	34.560	*****							30	13.12	34.560	*****	26.05	197	197	.0589
50	13.11	34.540	*****							50	13.11	34.540	*****	26.03	198	199	.0987
75	13.10	34.550	*****							75	13.10	34.550	*****	26.04	197	199	.1486
100	13.11	34.600	*****							100	13.11	34.600	*****	26.08	194	196	.1981
125	13.05	34.580	*****							125	13.05	34.580	*****	26.08	194	197	.2473

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월(April)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-35.5. N, 128-34.5. E, APR. 7,1981, 04.10 KST, DEPTH 62 , COLOR , TRANS. , ,

WAVE N 1, SWELL , WIND N 1, BARO 1014. , AIR TEMP. DRY 11.8, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.51	34.490	*****	0	12.51	34.490	*****	26.11	191	190	.0000
10	12.48	34.500	*****	10	12.48	34.500	*****	26.13	189	189	.0190
20	11.98	34.500	*****	20	11.98	34.500	*****	26.22	180	180	.0376
30	11.09	34.430	*****	30	11.09	34.430	*****	26.34	170	170	.0551
50	11.04	34.450	*****	50	11.04	34.450	*****	26.36	167	168	.0890
59	11.09	34.440	*****								

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-29.6. N, 128-41.2. E, APR. 7.1981, 03.10 KST, DEPTH 70 , COLOR , TRANS. , ,

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1013. , AIR TEMP. DRY 12.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.80	34.510	*****	0	12.80	34.510	*****	26.07	195	194	.0000
10	12.59	34.510	*****	10	12.59	34.510	*****	26.11	191	191	.0193
20	12.44	34.500	*****	20	12.44	34.500	*****	26.14	189	189	.0383
30	11.60	34.460	*****	30	11.60	34.460	*****	26.26	176	177	.0566
50	11.17	34.420	*****	50	11.17	34.420	*****	26.31	172	173	.0916
65	11.00	34.410	*****								

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-22.4. N, 128-49.7. E, APR. 7.1981, 01.50 KST, DEPTH 94 , COLOR , TRANS. , ,

WAVE SE 1, SWELL SE 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 12.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.82	34.510	*****	0	12.82	34.510	*****	26.07	195	195	.0000
10	12.80	34.500	*****	10	12.80	34.500	*****	26.06	195	195	.0195
20	12.60	34.510	*****	20	12.60	34.510	*****	26.11	191	191	.0389

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	12.40	34.450	*****							30	12.40	34.450	*****	26.10	191	192	.0581
50	11.55	34.450	*****							50	11.55	34.450	*****	26.27	176	177	.0951
75	11.40	34.440	*****							75	11.40	34.440	*****	26.29	174	176	.1393
90	11.24	34.450	*****														

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-15.3. N, 128-58.0. E. APR. 7.1981, 00.30 KST, DEPTH 110 , COLOR , TRANS. , ,

WAVE , SWELL , WIND SE 1, BARO 1010. , AIR TEMP. DRY 13.9, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	13.40	34.520	*****	0	13.40	34.520	*****	25.96	205	205	.0000
10	12.00	34.420	*****	10	12.00	34.420	*****	26.16	186	186	.0196
20	11.10	34.340	*****	20	11.10	34.340	*****	26.26	176	177	.0378
30	10.95	34.330	*****	30	10.95	34.330	*****	26.28	175	175	.0554
50	10.96	34.380	*****	50	10.96	34.380	*****	26.32	171	172	.0902
75	10.97	34.400	*****	75	10.97	34.400	*****	26.33	170	171	.1332
100	10.62	34.420	*****	100	10.62	34.420	*****	26.41	162	164	.1752

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-08.1. N, 129-06.3. E. APR. 6.1981, 11.10 KST, DEPTH 130 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 14.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	14.70	34.710	*****	0	14.70	34.710	*****	25.83	217	217	.0000
10	14.70	34.710	*****	10	14.70	34.710	*****	25.83	217	217	.0218
20	14.55	34.700	*****	20	14.55	34.700	*****	25.86	215	215	.0434
30	14.20	34.620	*****	30	14.20	34.620	*****	25.87	214	214	.0650
50	13.98	34.590	*****	50	13.98	34.590	*****	25.89	212	213	.1077
75	14.04	34.650	*****	75	14.04	34.650	*****	25.93	208	210	.1607
100	13.76	34.610	*****	100	13.76	34.610	*****	25.95	206	208	.2131
125	13.70	34.570	*****	125	13.70	34.570	*****	25.94	207	210	.2655

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-35.5. N, 128-34.5. E, JUN.18.1981, 12.40 KST, DEPTH 62 , COLOR 4, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NE 1, BARO 1005.5, AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	16.82	33.890	*****	0	16.82	33.890	*****	24.73	323	322	.0000
10	16.17	33.810	*****	10	16.17	33.810	*****	24.81	314	314	.0319
20	15.87	33.850	*****	20	15.87	33.850	*****	24.91	305	305	.0629
30	15.00	33.880	*****	30	15.00	33.880	*****	25.13	284	285	.0924
50	14.43	33.890	*****	50	14.43	33.890	*****	25.26	272	273	.1483
60	14.22	33.920	*****							

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-29.6. N, 128-41.2. E, JUN.18.1981, 13.50 KST, DEPTH 70 , COLOR 3, TRANS. 12.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1005. , AIR TEMP. DRY 21.6, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.54	33.110	*****	0	17.54	33.110	*****	23.96	396	395	.0000
10	16.19	33.840	*****	10	16.19	33.840	*****	24.83	312	312	.0354
20	15.17	33.880	*****	20	15.17	33.880	*****	25.09	288	288	.0655
30	14.28	33.930	*****	30	14.28	33.930	*****	25.32	266	266	.0933
50	13.30	33.910	*****	50	13.30	33.910	*****	25.51	248	249	.1449
67	13.31	34.050	*****							

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-22.4. N, 128-49.7. E, JUN.18.1981, 15.20 KST, DEPTH 94 , COLOR 3, TRANS. 12.0,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1005. , AIR TEMP. DRY 23.8, WET . , CLOUD. TYPE NS, AMT 6, WEATHER B ,

0	17.77	33.030	*****	0	17.77	33.030	*****	23.84	407	407	.0000
10	13.77	33.330	*****	10	13.77	33.330	*****	24.97	300	300	.0354
20	13.97	33.630	*****	20	13.97	33.630	*****	25.16	282	282	.0645

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	13.89	33.710	*****							30	13.89	33.710	*****	25.23	274	275	.0924
50	13.30	33.910	*****							50	13.30	33.910	*****	25.51	248	249	.1448
75	13.46	34.040	*****							75	13.46	34.040	*****	25.58	242	243	.2065
90	13.64	34.210	*****														

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-15.3. N, 128-58.0. E, JUN.18.1981, 16.30 KST, DEPTH 110 , COLOR 2, TRANS. 13.0,
WAVE SW 1, SWELL SW 1, WIND SW 2, BARO 1006. , AIR TEMP. DRY 23.1, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	21.66	33.390	*****							0	21.66	33.390	*****	23.11	477	476	.0000
10	19.33	33.410	*****							10	19.33	33.410	*****	23.74	416	416	.0447
20	15.78	33.590	*****							20	15.78	33.590	*****	24.73	322	322	.0816
30	13.00	33.650	*****							30	13.00	33.650	*****	25.37	261	262	.1109
50	12.95	33.740	*****							50	12.95	33.740	*****	25.45	254	255	.1627
75	13.82	34.160	*****							75	13.82	34.160	*****	25.60	240	242	.2248
100	14.06	34.320	*****							100	14.06	34.320	*****	25.67	233	235	.2845

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-08.1. N, 129-06.3. E, JUN.18.1981, 17.50 KST, DEPTH 130 , COLOR , TRANS. . ,
WAVE SW 1, SWELL 1, WIND SW 2, BARO 1006. , AIR TEMP. DRY 22.8, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	22.20	33.230	*****							0	22.20	33.230	*****	22.84	502	502	.0000
10	20.20	33.320	*****							10	20.20	33.320	*****	23.45	444	444	.0474
20	18.17	33.490	*****							20	18.17	33.490	*****	24.10	383	383	.0888
30	15.69	33.760	*****							30	15.69	33.760	*****	24.88	307	308	.1234
50	14.70	33.860	*****							50	14.70	33.860	*****	25.18	280	281	.1823
75	14.03	33.890	*****							75	14.03	33.890	*****	25.34	264	265	.2507
100	14.10	33.980	*****							100	14.10	33.980	*****	25.40	259	261	.3166
125	14.60	34.320	*****							125	14.60	34.320	*****	25.55	244	247	.3802

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-35.5. N, 128-34.5. E, AUG.21.1981, 04.50 KST, DEPTH 62 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 996. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.59	31.720	*****	0	26.59	31.720	*****	20.40	736	736	.0000
10	26.64	31.620	*****	10	26.64	31.620	*****	20.31	745	745	.0741
20	23.97	31.870	*****	20	23.97	31.870	*****	21.31	649	649	.1438
30	20.75	32.260	*****	30	20.75	32.260	*****	22.50	535	535	.2031
50	15.35	33.460	*****	50	15.35	33.460	*****	24.73	322	323	.2891
58	14.77	34.130	*****								

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-29.6. N, 128-41.2. E, AUG.21.1981, 05.50 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 996. , AIR TEMP. DRY 25.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.79	31.590	*****	0	27.79	31.590	*****	19.93	782	782	.0000
10	27.79	31.480	*****	10	27.79	31.480	*****	19.84	790	790	.0786
20	27.83	31.520	*****	20	27.83	31.520	*****	19.86	788	788	.1576
30	15.44	32.820	*****	30	15.44	32.820	*****	24.22	371	371	.2156
50	14.85	33.120	*****	50	14.85	33.120	*****	24.58	337	338	.2866
65	15.08	34.150	*****								

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-22.4. N, 128-49.7. E, AUG.21.1981, 07.00 KST, DEPTH 94 , COLOR 2, TRANS. 18.0,

WAVE E 1, SWELL E 1, WIND E 1, BARO 997. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	27.85	31.980	*****	0	27.85	31.980	*****	20.20	756	755	.0000
10	27.18	32.450	*****	10	27.18	32.450	*****	20.77	701	701	.0729
20	18.88	32.710	*****	20	18.88	32.710	*****	23.33	456	456	.1308

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	18.12	33.520	*****							30	18.12	33.520	*****	24.13	379	380	.1727
50	17.75	33.950	*****							50	17.75	33.950	*****	24.55	339	341	.2448
75	15.20	34.000	*****							75	15.20	34.000	*****	25.18	280	281	.3227
90	14.64	34.260	*****														

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-15.3. N, 128-58.0. E, AUG.21.1981, 08.10 KST, DEPTH 110 , COLOR 2, TRANS. 17.0,
WAVE E 1, SWELL E 1, WIND E 1, BARO 996. , AIR TEMP. DRY 27.7, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,

0	28.14	32.300	*****							0	28.14	32.300	*****	20.34	742	741	.0000
10	28.12	32.320	*****							10	28.12	32.320	*****	20.37	740	740	.0741
20	28.07	32.610	*****							20	28.07	32.610	*****	20.60	717	717	.1470
30	20.04	32.770	*****							30	20.04	32.770	*****	23.07	480	481	.2069
50	18.39	33.370	*****							50	18.39	33.370	*****	23.95	397	398	.2949
75	18.31	34.270	*****							75	18.31	34.270	*****	24.66	329	331	.3861
100	17.20	34.340	*****							100	17.20	34.340	*****	24.98	298	301	.4653

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-08.1. N, 129-06.3. E, AUG.21.1981, 09.20 KST, DEPTH 130 , COLOR 2, TRANS. 17.0,
WAVE E 1, SWELL E 1, WIND E 1, BARO 997. , AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE CU, AMT 3, WEATHER BC,

0	28.20	32.330	*****							0	28.20	32.330	*****	20.35	741	741	.0000
10	27.99	32.310	*****							10	27.99	32.310	*****	20.40	736	736	.0739
20	28.11	32.390	*****							20	28.11	32.390	*****	20.42	734	735	.1475
30	26.01	32.530	*****							30	26.01	32.530	*****	21.19	660	661	.2173
50	20.35	32.450	*****							50	20.35	32.450	*****	22.75	511	512	.3347
75	19.19	33.220	*****							75	19.19	33.220	*****	23.64	427	428	.4524
100	18.46	33.850	*****							100	18.46	33.850	*****	24.30	363	366	.5519
125	16.42	34.400	*****							125	16.42	34.400	*****	25.21	277	280	.6327

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월 (October)

KOREA ,JI DI SAN , STATION 206-01 , 34-35.5. N, 128-34.5. E, OCT.13.1981, 00.50 KST, DEPTH 63 , COLOR 4, TRANS. 17.0.

WAVE 2, SWELL 1, WIND NW 3, BARO 1024. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	19.64	32.420	*****	0	19.64	32.420	*****	22.91	496	495	.0000
10	19.87	32.510	*****	10	19.87	32.510	*****	22.92	495	495	.0496
20	20.04	32.830	*****	20	20.04	32.830	*****	23.12	476	476	.0981
30	20.42	33.040	*****	30	20.42	33.040	*****	23.18	470	471	.1455
50	16.52	33.120	*****	50	16.52	33.120	*****	24.21	372	373	.2300
58	15.75	33.240	*****								

KOREA ,JI DI SAN , STATION 206-02 , 34-29.6. N, 128-41.2. E, OCT.12.1981, 23.40 KST, DEPTH 70 , COLOR 4, TRANS. 19.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1024. , AIR TEMP. DRY 19.7, WET . , CLOUD. TYPE NS, AMT 10, WEATHER ,

0	19.62	33.060	*****	0	19.62	33.060	*****	23.40	449	448	.0000
10	19.82	33.080	*****	10	19.82	33.080	*****	23.37	452	452	.0451
20	19.16	33.110	*****	20	19.16	33.110	*****	23.56	434	434	.0894
30	19.11	33.550	*****	30	19.11	33.550	*****	23.91	401	401	.1312
50	15.83	34.080	*****	50	15.83	34.080	*****	25.10	287	288	.2003
65	15.67	34.270	*****								

KOREA ,JI DI SAN , STATION 206-03 , 34-22.4. N, 128-49.7. E, OCT.12.1981, 22.20 KST, DEPTH 94 , COLOR 3, TRANS. 20.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1024. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	19.62	33.060	*****	0	19.82	33.060	*****	23.35	454	453	.0000
10	19.91	33.100	*****	10	19.91	33.100	*****	23.36	453	453	.0454
20	20.15	33.250	*****	20	20.15	33.250	*****	23.41	448	448	.0905

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D T	SVA	D DY
30	18.60	33.430	*****							30	18.60	33.430	*****	23.94	397	398	.1328
50	15.87	33.690	*****							50	15.87	33.690	*****	24.79	316	318	.2044
75	15.69	34.450	*****							75	15.69	34.450	*****	25.41	257	259	.2766
90	15.71	34.490	*****														

KOREA ,JI PI SAN , STATION 206-04 , 34-15.3. N, 128-58.0. E, OCT.12.1981, 21.00 KST, DEPTH 110 , COLOR 4, TRANS. 20.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1024. , AIR TEMP. DRY 20.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	22.78	33.490	*****							0	22.78	33.490	*****	22.87	499	499	.0000
10	22.76	33.480	*****							10	22.76	33.480	*****	22.87	499	499	.0500
20	22.70	33.450	*****							20	22.70	33.450	*****	22.87	500	500	.1000
30	21.29	33.570	*****							30	21.29	33.570	*****	23.35	454	454	.1478
50	19.86	33.520	*****							50	19.86	33.520	*****	23.69	421	422	.2356
75	17.33	34.280	*****							75	17.33	34.280	*****	24.90	306	308	.3270
100	15.47	34.450	*****							100	15.47	34.450	*****	25.46	252	255	.3974

KOREA ,JI PI SAN , STATION 206-05 , 34-08.1. N, 129-06.3. E, OCT.12.1981, 19.40 KST, DEPTH 130 , COLOR 3, TRANS. 19.0,
WAVE 1, SWELL 1, WIND NW 3, BARO 1024. , AIR TEMP. DRY 21.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	23.58	33.990	*****							0	23.58	33.990	*****	23.02	485	485	.0000
10	23.49	33.970	*****							10	23.49	33.970	*****	23.03	484	484	.0485
20	23.49	33.980	*****							20	23.49	33.980	*****	23.04	483	484	.0969
30	23.49	34.010	*****							30	23.49	34.010	*****	23.06	481	482	.1453
50	23.49	33.980	*****							50	23.49	33.980	*****	23.04	483	485	.2420
75	23.19	34.010	*****							75	23.19	34.010	*****	23.15	473	475	.3621
100	15.67	34.460	*****							100	15.67	34.460	*****	25.43	256	258	.4539
125	15.12	34.490	*****							125	15.12	34.490	*****	25.57	242	245	.5170

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,TAE BAEK SAN , STATION 206-01 , 34-35.5. N, 128-34.5. E, DEC. 8.1981, 06.30 KST, DEPTH 63 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 6.9, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	16.39	34.270	*****	0	16.39	34.270	*****	25.12	285	285	.0000
10	16.41	34.270	*****	10	16.41	34.270	*****	25.11	286	286	.0286
20	16.46	34.260	*****	20	16.46	34.260	*****	25.09	288	288	.0573
30	15.53	34.160	*****	30	15.53	34.160	*****	25.23	275	275	.0856
50	14.71	34.060	*****	50	14.71	34.060	*****	25.33	265	266	.1398
60	14.69	34.050	*****								

KOREA ,TAE BAEK SAN , STATION 206-02 , 34-29.6. N, 128-41.2. E, DEC. 8.1981, 05.20 KST, DEPTH 70 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1018.5, AIR TEMP. DRY 6.8, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	16.43	34.330	*****	0	16.43	34.330	*****	25.15	282	282	.0000
10	16.83	34.330	*****	10	16.83	34.330	*****	25.06	291	291	.0287
20	16.90	34.340	*****	20	16.90	34.340	*****	25.05	292	292	.0579
30	16.98	34.330	*****	30	16.98	34.330	*****	25.02	294	295	.0872
50	16.52	34.270	*****	50	16.52	34.270	*****	25.09	288	289	.1458
65	15.64	34.220	*****								

KOREA ,TAE BAEK SAN , STATION 206-03 , 34-22.4. N, 128-49.7. E, DEC. 8.1981, 04.00 KST, DEPTH 90 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 8.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	16.10	34.350	*****	0	16.10	34.350	*****	25.24	273	273	.0000
10	16.17	34.370	*****	10	16.17	34.370	*****	25.24	273	273	.0274
20	16.32	34.350	*****	20	16.32	34.350	*****	25.19	278	278	.0550

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	16.30	34.340	*****							30	16.30	34.340	*****	25.19	278	279	.0829
50	15.89	34.240	*****							50	15.89	34.240	*****	25.21	277	278	.1387
75	15.42	34.200	*****							75	15.42	34.200	*****	25.28	270	271	.2075
85	14.82	34.120	*****														

KOREA ,TAE BAEK SAN , STATION 206-04 , 34-15.3. N, 128-58.0. E, DEC. 8,1981, 01.50 KST, DEPTH 110 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1015. , AIR TEMP. DRY 8.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.37	34.340	*****							0	16.37	34.340	*****	25.17	280	280	.0000
10	16.27	34.340	*****							10	16.27	34.340	*****	25.20	278	278	.0279
20	16.85	34.330	*****							20	16.85	34.330	*****	25.05	291	292	.0564
30	16.30	34.290	*****							30	16.30	34.290	*****	25.15	282	283	.0852
50	16.37	34.160	*****							50	16.37	34.160	*****	25.04	293	294	.1429
75	16.26	34.220	*****							75	16.26	34.220	*****	25.11	286	288	.2158
100	15.82	34.210	*****							100	15.82	34.210	*****	25.20	277	280	.2870

KOREA ,TAE BAEK SAN , STATION 206-05 , 34-08.1. N, 129-06.3. E, DEC. 8,1981, 00.30 KST, DEPTH 130 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1018.5, AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.40	34.490	*****							0	18.40	34.490	*****	24.80	315	315	.0000
10	18.85	34.400	*****							10	18.85	34.400	*****	24.62	333	333	.0324
20	18.96	34.410	*****							20	18.96	34.410	*****	24.60	335	335	.0659
30	18.96	34.400	*****							30	18.96	34.400	*****	24.59	335	336	.0994
50	18.94	34.390	*****							50	18.94	34.390	*****	24.59	336	337	.1668
75	18.70	34.390	*****							75	18.70	34.390	*****	24.65	330	332	.2505
100	17.40	34.310	*****							100	17.40	34.310	*****	24.91	305	308	.3306
125	17.21	34.320	*****							125	17.21	34.320	*****	24.96	300	303	.4071

205선 해양관측 성적

Oceanographic Data. Line 205

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-22.3. N, 127-48.5. E, FEB.14.1981, 00.20 KST, DEPTH 54 , COLOR , TRANS. . ,

WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1007. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	13.69	34.690	*****	0	13.69	34.690	*****	26.03	198	198	.0000
10	13.49	34.700	*****	10	13.49	34.700	*****	26.08	194	194	.0196
20	12.79	34.610	*****	20	12.79	34.610	*****	26.15	187	187	.0387
30	11.31	34.510	*****	30	11.31	34.510	*****	26.36	167	168	.0565
50	10.55	34.470	*****	50	10.55	34.470	*****	26.46	157	158	.0893

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-15.0. N, 127-52.1. E, FEB.13.1981, 23.20 KST, DEPTH 60 , COLOR 4, TRANS. 4.0,

WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1007. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	12.10	34.550	*****	0	12.10	34.550	*****	26.24	179	178	.0000
10	12.08	34.550	*****	10	12.08	34.550	*****	26.24	178	178	.0179
20	11.62	34.510	*****	20	11.62	34.510	*****	26.30	173	173	.0355
30	11.20	34.490	*****	30	11.20	34.490	*****	26.36	167	167	.0526
50	10.78	34.440	*****	50	10.78	34.440	*****	26.40	164	164	.0858

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-05.5. N, 127-51.9. E, FEB.13.1981, 22.15 KST, DEPTH 80 , COLOR 4, TRANS. 3.0,

WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1007.5, AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	13.90	34.710	*****	0	13.90	34.710	*****	26.00	201	201	.0000
10	13.87	34.690	*****	10	13.87	34.690	*****	25.99	202	202	.0202
20	13.35	34.670	*****	20	13.35	34.670	*****	26.09	193	194	.0400
30	12.71	34.590	*****	30	12.71	34.590	*****	26.15	187	187	.0591

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	12.35	34.590	*****							50	12.35	34.590	*****	26.22	180	181	.0961
75	12.30	34.590	*****							75	12.30	34.590	*****	26.23	179	181	.1415

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-51.5. N, 128-03.0. E, FEB.13.1981, 20.35 KST, DEPTH 85 , COLOR 3, TRANS. 3.0,
WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1007.5, AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	13.96	34.730	*****							0	13.96	34.730	*****	26.01	201	201	.0000
10	13.30	34.630	*****							10	13.30	34.630	*****	26.06	195	195	.0198
20	12.85	34.590	*****							20	12.85	34.590	*****	26.12	190	190	.0391
30	12.95	34.610	*****							30	12.95	34.610	*****	26.12	190	190	.0582
50	12.98	34.620	*****							50	12.98	34.620	*****	26.12	190	191	.0964
75	12.87	34.600	*****							75	12.87	34.600	*****	26.13	189	191	.1443

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-37.3. N, 128-09.2. E, FEB.13.1981, 18.45 KST, DEPTH 116 , COLOR 3, TRANS. 3.0,
WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1009. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	14.22	34.770	*****							0	14.22	34.770	*****	25.98	203	203	.0000
10	14.30	34.730	*****							10	14.30	34.730	*****	25.93	208	208	.0206
20	13.75	34.750	*****							20	13.75	34.750	*****	26.06	195	195	.0408
30	13.77	34.640	*****							30	13.77	34.640	*****	25.98	204	204	.0608
50	13.47	34.640	*****							50	13.47	34.640	*****	26.04	198	199	.1012
75	13.31	34.620	*****							75	13.31	34.620	*****	26.05	196	198	.1509
100	13.18	34.620	*****							100	13.18	34.620	*****	26.08	194	196	.2003
110	13.65	34.660	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-22.3. N, 127-48.5. E, APR. 8.1981, 02.10 KST, DEPTH 54 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.90	34.260	*****	0	11.90	34.260	*****	26.05	196	196	.0000
10	11.85	34.270	*****	10	11.85	34.270	*****	26.07	195	195	.0196
20	11.67	34.260	*****	20	11.67	34.260	*****	26.10	192	192	.0390
30	11.30	34.270	*****	30	11.30	34.270	*****	26.17	185	185	.0579
50	10.98	34.240	*****	50	10.98	34.240	*****	26.21	182	183	.0948

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-15.0. N, 127-52.1. E, APR. 8.1981, 01.10 KST, DEPTH 60 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 12.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.75	34.230	*****	0	11.75	34.230	*****	26.06	196	196	.0000
10	11.52	34.230	*****	10	11.52	34.230	*****	26.10	192	192	.0194
20	11.47	34.240	*****	20	11.47	34.240	*****	26.12	190	190	.0386
30	11.00	34.210	*****	30	11.00	34.210	*****	26.18	184	185	.0574
50	10.92	34.210	*****	50	10.92	34.210	*****	26.19	183	184	.0963
57	10.72	34.180	*****								

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-05.5. N, 127-51.9. E, APR. 7.1981, 23.50 KST, DEPTH 86 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 13.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.60	34.250	*****	0	12.60	34.250	*****	25.91	210	210	.0000
10	11.89	34.270	*****	10	11.89	34.270	*****	26.06	195	195	.0203
20	11.60	34.250	*****	20	11.60	34.250	*****	26.10	192	192	.0397
30	11.71	34.250	*****	30	11.71	34.250	*****	26.08	194	194	.0591

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	11.70	34.240	*****							50	11.70	34.240	*****	26.08	194	195	.0981
75	11.50	34.250	*****							75	11.50	34.250	*****	26.12	190	191	.1465

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-51.5. N, 128-03.0. E, APR. 7.1981, 21.50 KST, DEPTH 85 , COLOR , TRANS. . ,
WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 13.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	14.66	34.610	*****	0	14.66	34.610	*****	25.76	224	224	.0000
10	14.67	34.600	*****	10	14.67	34.600	*****	25.75	225	225	.0225
20	14.60	34.630	*****	20	14.60	34.630	*****	25.79	221	221	.0448
30	14.62	34.630	*****	30	14.62	34.630	*****	25.79	222	222	.0670
50	14.60	34.620	*****	50	14.60	34.620	*****	25.78	222	223	.1116
75	14.56	34.600	*****	75	14.56	34.600	*****	25.78	222	224	.1677

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-37.3. N, 128-09.2. E, APR. 7.1981, 20.10 KST, DEPTH 115 , COLOR , TRANS. . ,
WAVE , SWELL , WIND , BARO 1018. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.17	34.650	*****	0	15.17	34.650	*****	25.68	231	231	.0000
10	14.81	34.670	*****	10	14.81	34.670	*****	25.78	223	222	.0227
20	14.81	34.650	*****	20	14.81	34.650	*****	25.76	224	224	.0451
30	14.71	34.670	*****	30	14.71	34.670	*****	25.80	220	221	.0674
50	14.62	34.650	*****	50	14.62	34.650	*****	25.80	220	221	.1117
75	14.50	34.630	*****	75	14.50	34.630	*****	25.81	219	221	.1671
100	14.53	34.600	*****	100	14.53	34.600	*****	25.78	222	224	.2229
112	14.48	34.600	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-22.3. N, 127-48.5. E, JUN.17.1981, 14.30 KST, DEPTH 54 , COLOR 4, TRANS. 12.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1005. , AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.44	33.330	*****	0	17.44	33.330	*****	24.15	377	377	.0000
10	17.09	33.670	*****	10	17.09	33.670	*****	24.49	345	345	.0361
20	15.92	33.640	*****	20	15.92	33.640	*****	24.74	321	321	.0695
30	14.85	33.680	*****	30	14.85	33.680	*****	25.01	296	296	.1004
50	14.60	33.670	*****	50	14.60	33.670	*****	25.05	291	292	.1594

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-15.0. N, 127-52.1. E, JUN.17.1981, 15.40 KST, DEPTH 60 , COLOR 4, TRANS. 12.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1005. , AIR TEMP. DRY 20.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.00	32.880	*****	0	17.00	32.880	*****	23.91	400	400	.0000
10	14.62	33.470	*****	10	14.62	33.470	*****	24.90	306	306	.0354
20	13.12	33.690	*****	20	13.12	33.690	*****	25.37	261	261	.0638
30	12.80	33.610	*****	30	12.80	33.610	*****	25.38	261	261	.0899
50	12.75	33.570	*****	50	12.75	33.570	*****	25.36	263	264	.1425

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-05.5. N, 127-51.9. E, JUN.17.1981, 17.00 KST, DEPTH 85 , COLOR 3, TRANS. 12.0,

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1004. , AIR TEMP. DRY 22.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	19.12	32.990	*****	0	19.12	32.990	*****	23.48	442	441	.0000
10	15.81	33.220	*****	10	15.81	33.220	*****	24.44	350	349	.0396
20	14.12	33.230	*****	20	14.12	33.230	*****	24.82	314	314	.0728
30	12.92	33.470	*****	30	12.92	33.470	*****	25.24	273	274	.1023
50	13.20	33.770	*****	50	13.20	33.770	*****	25.42	256	257	.1555
75	13.94	34.150	*****	75	13.94	34.150	*****	25.56	243	245	.2183

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-51.5. N, 128-03.0. E, JUN.17.1981, 18.50 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1004. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	21.45	33.290	*****							0	21.45	33.290	*****	23.09	478	478	.0000
10	18.12	33.520	*****							10	18.12	33.520	*****	24.13	379	379	.0429
20	15.60	33.480	*****							20	15.60	33.480	*****	24.69	326	326	.0782
30	15.02	33.870	*****							30	15.02	33.870	*****	25.12	285	286	.1089
50	14.35	34.310	*****							50	14.35	34.310	*****	25.60	239	240	.1616
75	14.25	34.310	*****							75	14.25	34.310	*****	25.62	237	239	.2217

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-37.3. N, 128-09.2. E, JUN.17.1981, 20.40 KST, DEPTH 115 , COLOR , TRANS. . ,

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1004.5, AIR TEMP. DRY 21.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	21.54	33.080	*****							0	21.54	33.080	*****	22.91	496	496	.0000
10	21.11	33.080	*****							10	21.11	33.080	*****	23.03	485	485	.0491
20	18.49	33.460	*****							20	18.49	33.460	*****	23.99	392	393	.0930
30	15.60	33.580	*****							30	15.60	33.580	*****	24.77	319	319	.1286
50	14.50	33.700	*****							50	14.50	33.700	*****	25.10	287	288	.1895
75	14.35	33.890	*****							75	14.35	33.890	*****	25.28	270	272	.2596
100	14.30	34.110	*****							100	14.30	34.110	*****	25.46	253	255	.3256
110	14.38	34.500	*****														

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-22.3. N, 127-48.5. E, AUG.20.1981, 08.55 KST, DEPTH 54 , COLOR 4, TRANS. 11.0,

WAVE N 1, SWELL N 1, WIND E 1, BARO 1000. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	25.39	30.460	*****							0	25.39	30.460	*****	19.83	791	791	.0000
10	24.01	31.260	*****							10	24.01	31.260	*****	20.84	694	694	.0743

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	23.61	31.390	*****							20	23.61	31.390	*****	21.05	674	674	.1428
30	21.86	31.740	*****							30	21.86	31.740	*****	21.81	601	602	.2066
50	18.09	32.660	*****							50	18.09	32.660	*****	23.48	441	442	.3111

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-15.0. N, 127-52.1. E, AUG.20.1981, 09.50 KST, DEPTH 60 , COLOR 4, TRANS. 10.0,

WAVE N 1, SWELL N 1, WIND E 1, BARO 1000. , AIR TEMP. DRY 26.3, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	26.34	30.050	*****							0	26.34	30.050	*****	19.23	849	849	.0000
10	26.33	31.150	*****							10	26.33	31.150	*****	20.06	769	769	.0809
20	24.83	31.990	*****							20	24.83	31.990	*****	21.15	665	665	.1527
30	19.55	32.230	*****							30	19.55	32.230	*****	22.79	507	508	.2114
50	15.11	33.190	*****							50	15.11	33.190	*****	24.57	337	338	.2951

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-05.5. N, 127-51.9. E, AUG.20.1981, 11.00 KST, DEPTH 86 , COLOR 4, TRANS. 11.0,

WAVE N 2, SWELL N 2, WIND E 1, BARO 1000. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	26.38	31.600	*****							0	26.38	31.600	*****	20.38	738	738	.0000
10	26.28	31.800	*****							10	26.28	31.800	*****	20.56	721	721	.0730
20	20.24	32.140	*****							20	20.24	32.140	*****	22.54	531	531	.1356
30	17.01	32.870	*****							30	17.01	32.870	*****	23.90	401	402	.1823
50	15.06	33.360	*****							50	15.06	33.360	*****	24.72	324	325	.2551
75	14.59	34.090	*****							75	14.59	34.090	*****	25.38	260	262	.3285

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-51.5. N, 128-03.0. E, AUG.20.1981, 12.40 KST, DEPTH 85 , COLOR 4, TRANS. . ,

WAVE NE 2, SWELL NE 2, WIND NE 4, BARO 998. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	26.41	30.740	*****							0	26.41	30.740	*****	19.72	801	801	.0000
10	25.16	31.040	*****							10	25.16	31.040	*****	20.33	743	743	.0772

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	22.59	31.430	*****							20	22.59	31.430	*****	21.37	643	643	.1466
30	17.91	32.320	*****							30	17.91	32.320	*****	23.27	462	462	.2019
50	15.99	33.530	*****							50	15.99	33.530	*****	24.64	331	332	.2814
75	15.75	34.480	*****							75	15.75	34.480	*****	25.42	256	258	.3553

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-37.3. N, 128-09.2. E, AUG.20.1981, 14.20 KST, DEPTH 116 , COLOR 3, TRANS. 15.0,
WAVE NE 2, SWELL NE 2, WIND NE 6, BARO 998. , AIR TEMP. DRY 27.4, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	26.77	30.480	*****							0	26.77	30.480	*****	19.42	831	830	.0000
10	26.61	30.850	*****							10	26.61	30.850	*****	19.75	799	799	.0815
20	18.87	31.030	*****							20	18.87	31.030	*****	22.05	578	578	.1505
30	18.84	32.920	*****							30	18.84	32.920	*****	23.50	440	440	.2015
50	16.64	33.790	*****							50	16.64	33.790	*****	24.69	326	327	.2783
75	16.32	34.590	*****							75	16.32	34.590	*****	25.38	261	262	.3521
100	16.20	34.610	*****							100	16.20	34.610	*****	25.42	256	259	.4174
110	15.72	34.600	*****														

10월(October)

KOREA ,JI PI SAN , STATION 205-01 , 34-22.3. N, 127-48.5. E, OCT.13.1981, 22.25 KST, DEPTH 54 , COLOR 5, TRANS. 17.0,
WAVE 2, SWELL 2, WIND NW 4, BARO 1018.5, AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	19.68	33.090	*****							0	19.68	33.090	*****	23.41	448	448	.0000
10	19.77	33.110	*****							10	19.77	33.110	*****	23.40	449	449	.0449
20	19.01	33.190	*****							20	19.01	33.190	*****	23.66	424	425	.0886
30	18.36	33.170	*****							30	18.36	33.170	*****	23.80	410	411	.1304
50	17.33	33.130	*****							50	17.33	33.130	*****	24.02	389	391	.2107

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 205-02 , 34-15.0. N, 127-52.1. E, OCT.13.1981, 19.20 KST, DEPTH 60 , COLOR 4, TRANS. 16.0.

WAVE 2, SWELL 2, WIND NW 4, BARO 1019. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 6, WEATHER BC,

0	18.51	32.820	*****							0	18.51	32.820	*****	23.50	439	439	.0000
10	18.55	32.800	*****							10	18.55	32.800	*****	23.48	442	442	.0441
20	18.49	32.800	*****							20	18.49	32.800	*****	23.49	440	441	.0883
30	17.92	32.730	*****							30	17.92	32.730	*****	23.58	432	433	.1320
50	16.00	33.810	*****							50	16.00	33.810	*****	24.85	310	312	.2065

KOREA ,JI PI SAN , STATION 205-03 , 34-05.5. N, 127-51.9. E, OCT.13.1981, 18.05 KST, DEPTH 86 , COLOR 5, TRANS. 13.0.

WAVE 2, SWELL 2, WIND NW 4, BARO 1019. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 7, WEATHER BC,

0	19.48	33.080	*****							0	19.48	33.080	*****	23.46	444	443	.0000
10	19.14	33.070	*****							10	19.14	33.070	*****	23.53	436	436	.0440
20	18.88	33.100	*****							20	18.88	33.100	*****	23.62	428	428	.0873
30	17.17	33.290	*****							30	17.17	33.290	*****	24.18	374	375	.1275
50	16.37	33.540	*****							50	16.37	33.540	*****	24.56	338	339	.1990
75	15.77	33.670	*****							75	15.77	33.670	*****	24.80	316	318	.2812

KOREA ,JI PI SAN , STATION 205-04 , 33-51.5. N, 128-03.0. E, OCT.13.1981, 16.20 KST, DEPTH 85 , COLOR 5, TRANS. 11.0.

WAVE 2, SWELL 2, WIND NE 4, BARO 1018. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	21.29	33.110	*****							0	21.29	33.110	*****	23.00	487	487	.0000
10	21.01	33.110	*****							10	21.01	33.110	*****	23.08	480	480	.0484
20	20.42	33.130	*****							20	20.42	33.130	*****	23.25	463	464	.0956
30	19.43	33.360	*****							30	19.43	33.360	*****	23.68	422	423	.1400
50	19.29	33.500	*****							50	19.29	33.500	*****	23.82	409	410	.2234
75	19.09	33.650	*****							75	19.09	33.650	*****	23.99	393	395	.3241

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D T	SVA	D-DY

KOREA ,JI RI SAN , STATION 205-05 , 33-37.3. N, 128-09.2. E, OCT.13.1981, 14.30 KST, DEPTH 116 , COLOR 4, TRANS. 12.0,

WAVE 2, SWELL 2, WIND NE 5, BARO 1020.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	21.65	33.630	*****	0	21.65	33.630	*****	23.30	459	459	.0000
10	21.62	33.610	*****	10	21.62	33.610	*****	23.29	460	460	.0460
20	21.67	33.610	*****	20	21.67	33.610	*****	23.28	461	461	.0920
30	21.61	33.620	*****	30	21.61	33.620	*****	23.30	459	459	.1381
50	21.68	33.650	*****	50	21.68	33.650	*****	23.30	458	460	.2301
75	20.70	34.030	*****	75	20.70	34.030	*****	23.86	405	407	.3586
100	18.65	34.200	*****	100	18.65	34.200	*****	24.52	342	345	.4328
110	16.10	******	*****								

12월 (December)

KOREA ,TAE BAEK SAN , STATION 205-01 , 34-22.3. N, 127-48.5. E, DEC. 9.1981, 11.40 KST, DEPTH 58 , COLOR 5, TRANS. 3.0,

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1020.3, AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE CI, AMT 2, WEATHER R ,

0	13.90	34.010	*****	0	13.90	34.010	*****	25.46	252	252	.0000
10	13.48	34.020	*****	10	13.48	34.020	*****	25.56	243	243	.0248
20	13.98	34.020	*****	20	13.98	34.020	*****	25.45	253	254	.0497
30	13.97	34.010	*****	30	13.97	34.010	*****	25.45	254	254	.0752
50	14.00	34.010	*****	50	14.00	34.010	*****	25.44	254	255	.1262

KOREA ,TAE BAEK SAN , STATION 205-02 , 34-15.0. N, 127-52.1. E, DEC. 9.1981, 10.20 KST, DEPTH 58 , COLOR 5, TRANS. 5.0,

WAVE NW 2, SWELL NW 1, WIND NW 5, BARO 1020.3, AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE CI, AMT 2, WEATHER R ,

0	16.80	34.370	*****	0	16.80	34.370	*****	25.10	287	287	.0000
10	17.21	34.340	*****	10	17.21	34.340	*****	24.98	299	299	.0293

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	17.35	34.360	*****							20	17.35	34.360	*****	24.96	300	301	.0593
30	16.01	34.250	*****							30	16.01	34.250	*****	25.19	279	279	.0884
50	13.63	33.870	*****							50	13.63	33.870	*****	25.41	257	258	.1422

KOREA ,TAE BAEK SAN , STATION 205-03 , 34-05.5. N, 127-51.9. E, DEC. 9.1981, 08.20 KST, DEPTH 80 , COLOR 4, TRANS. 12.0,

WAVE NW 2, SWELL NW 1, WIND NW 5, BARO 1021. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	16.17	34.350	*****							0	16.17	34.350	*****	25.23	275	274	.0000
10	16.28	34.340	*****							10	16.28	34.340	*****	25.20	278	278	.0277
20	15.46	34.280	*****							20	15.46	34.280	*****	25.33	265	265	.0549
30	14.33	34.030	*****							30	14.33	34.030	*****	25.39	260	260	.0812
50	13.33	33.850	*****							50	13.33	33.850	*****	25.46	253	254	.1327

KOREA ,TAE BAEK SAN , STATION 205-04 , 33-51.5. N, 128-03.0. E, DEC. 9.1981, 07.50 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1021. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE CI, AMT 2, WEATHER P ,

0	18.59	34.430	*****							0	18.59	34.430	*****	24.71	324	324	.0000
10	18.74	34.410	*****							10	18.74	34.410	*****	24.66	329	329	.0327
20	18.85	34.410	*****							20	18.85	34.410	*****	24.63	332	332	.0658
30	18.85	34.400	*****							30	18.85	34.400	*****	24.62	333	333	.0992
50	18.88	34.400	*****							50	18.88	34.400	*****	24.61	333	335	.1660
75	18.82	34.410	*****							75	18.82	34.410	*****	24.64	331	333	.2496

KOREA ,TAE BAEK SAN , STATION 205-05 , 33-37.3. N, 128-09.2. E, DEC. 9.1981, 06.10 KST, DEPTH 113 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.80	34.410	*****							0	18.80	34.410	*****	24.64	331	330	.0000
10	18.44	34.400	*****							10	18.44	34.400	*****	24.72	323	323	.0327

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	18.64	34.390	*****							20	18.64	34.390	*****	24.67	328	329	.0653
30	18.69	34.380	*****							30	18.69	34.380	*****	24.65	330	331	.0984
50	18.72	34.400	*****							50	18.72	34.400	*****	24.65	329	331	.1646
75	18.77	34.380	*****							75	18.77	34.380	*****	24.63	332	334	.2478
100	18.70	34.380	*****							100	18.70	34.380	*****	24.64	330	333	.3314
110	18.67	34.380	*****														

204선 해양관측 성적

Oceanographic Data. Line 204

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-20.8. N, 127-43.9. E, FEB.14.1981, 00.50 KST, DEPTH 38 , COLOR 4, TRANS. 4.0,

WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1007. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	13.66	34.690	*****	0	13.66	34.690	*****	26.04	198	198	.0000
10	13.67	34.690	*****	10	13.67	34.690	*****	26.04	198	198	.0198
20	11.37	34.500	*****	20	11.37	34.500	*****	26.34	169	169	.0383
30	10.66	34.410	*****	30	10.66	34.410	*****	26.40	164	164	.0550

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-13.7. N, 127-35.4. E, FEB.14.1981, 02.00 KST, DEPTH 28 , COLOR 4, TRANS. 3.0,

WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1010. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	13.56	34.660	*****	0	13.56	34.660	*****	26.03	198	198	.0000
10	13.55	34.670	*****	10	13.55	34.670	*****	26.04	197	197	.0198
20	12.57	34.620	*****	20	12.57	34.620	*****	26.20	182	182	.0388
25	11.88	34.550	*****								

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-06.7. N, 127-26.8. E, FEB.14.1981, 03.20 KST, DEPTH 45 , COLOR 4, TRANS. 4.0,

WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1010. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	10.84	34.440	*****	0	10.84	34.440	*****	26.39	165	164	.0000
10	10.86	34.430	*****	10	10.86	34.430	*****	26.38	166	166	.0165
20	10.88	34.430	*****	20	10.88	34.430	*****	26.37	166	166	.0332
30	10.88	34.400	*****	30	10.88	34.400	*****	26.35	168	169	.0500
42	9.90	34.380	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-54.1. N, 127-15.2. E, FEB.16.1981, 09.20 KST, DEPTH 75 , COLOR 3, TRANS. 8.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1015. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	13.36	34.610	*****							0	13.36	34.610	*****	26.04	198	198	.0000
10	13.04	34.620	*****							10	13.04	34.620	*****	26.11	191	191	.0195
20	12.82	34.590	*****							20	12.82	34.590	*****	26.13	189	189	.0385
30	12.70	34.620	*****							30	12.70	34.620	*****	26.18	185	185	.0573
50	12.62	34.640	*****							50	12.62	34.640	*****	26.21	182	183	.0942
72	12.57	34.620	*****														

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-45.5. N, 127-09.2. E, FEB.16.1981, 10.30 KST, DEPTH 90 , COLOR 3, TRANS. 7.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1015.5, AIR TEMP. DRY 11.1, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	13.60	34.600	*****							0	13.60	34.600	*****	25.98	203	203	.0000
10	13.32	34.590	*****							10	13.32	34.590	*****	26.03	199	199	.0201
20	13.20	34.610	*****							20	13.20	34.610	*****	26.07	195	195	.0399
30	13.09	34.610	*****							30	13.09	34.610	*****	26.09	193	193	.0593
50	12.98	34.640	*****							50	12.98	34.640	*****	26.14	188	189	.0977
75	12.88	34.640	*****							75	12.88	34.640	*****	26.16	186	188	.1450
87	12.91	34.640	*****														

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-35.8. N, 127-03.2. E, FEB.16.1981, 11.40 KST, DEPTH 128 , COLOR 3, TRANS. 6.0,

WAVE NW 4, SWELL NW 1, WIND NW 5, BARO 1015. , AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	13.29	34.520	*****							0	13.29	34.520	*****	25.98	203	203	.0000
10	14.00	34.540	*****							10	14.00	34.540	*****	25.85	216	216	.0210
20	13.73	34.590	*****							20	13.73	34.590	*****	25.95	207	207	.0421
30	13.33	34.600	*****							30	13.33	34.600	*****	26.04	198	199	.0625

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	13.04	34.610	*****							50	13.04	34.610	*****	26.10	192	193	.1017
75	12.97	34.620	*****							75	12.97	34.620	*****	26.12	190	191	.1498
100	12.91	34.630	*****							100	12.91	34.630	*****	26.14	188	190	.1976
125	12.83	34.630	*****							125	12.83	34.630	*****	26.16	186	189	.2451

4 월(April)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-20.8. N, 127-43.9. E, APR. 8.1981, 02.50 KST, DEPTH 37 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.65	34.240	*****	0	11.65	34.240	*****	26.08	193	193	.0000
10	11.40	34.240	*****	10	11.40	34.240	*****	26.13	189	189	.0191
20	11.10	34.220	*****	20	11.10	34.220	*****	26.17	185	185	.0379
30	10.53	34.160	*****	30	10.53	34.160	*****	26.23	180	180	.0562

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-13.7. N, 127-35.4. E, APR. 8.1981, 04.10 KST, DEPTH 28 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 11.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.42	34.060	*****	0	10.42	34.060	*****	26.17	186	185	.0000
10	10.40	34.050	*****	10	10.40	34.050	*****	26.16	186	186	.0186
20	10.40	34.060	*****	20	10.40	34.060	*****	26.17	185	185	.0372
25	10.52	34.050	*****								

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-06.7. N, 127-26.8. E, APR. 8.1981, 05.30 KST, DEPTH 45 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 11.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.27	34.150	*****	0	11.27	34.150	*****	26.08	193	193	.0000
10	11.27	34.150	*****	10	11.27	34.150	*****	26.08	193	193	.0194
20	11.28	34.150	*****	20	11.28	34.150	*****	26.08	194	194	.0388

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	11.26	34.150	*****							30	11.26	34.150	*****	26.09	193	194	.0582
42	11.22	34.150	*****														

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-54.1. N, 127-15.2. E, APR.11.1981, 08.00 KST, DEPTH 75 , COLOR 7, TRANS. 7.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1011.5, AIR TEMP. DRY 10.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	11.83	34.060	*****							0	11.83	34.060	*****	25.91	210	210	.0000
10	11.82	34.070	*****							10	11.82	34.070	*****	25.92	209	209	.0210
20	11.79	34.060	*****							20	11.79	34.060	*****	25.92	209	209	.0419
30	11.59	34.060	*****							30	11.59	34.060	*****	25.96	206	206	.0627
50	11.56	34.070	*****							50	11.56	34.070	*****	25.97	204	205	.1039
72	11.40	34.070	*****														

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-45.5. N, 127-09.2. E, APR.11.1981, 09.20 KST, DEPTH 90 , COLOR 5, TRANS. 9.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1012.5, AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

0	15.14	34.490	*****							0	15.14	34.490	*****	25.57	243	242	.0000
10	15.20	34.490	*****							10	15.20	34.490	*****	25.55	244	244	.0243
20	15.25	34.500	*****							20	15.25	34.500	*****	25.55	244	244	.0488
30	14.58	34.490	*****							30	14.58	34.490	*****	25.69	231	231	.0726
50	14.38	34.490	*****							50	14.38	34.490	*****	25.73	227	228	.1187
75	13.80	34.420	*****							75	13.80	34.420	*****	25.80	220	222	.1751
87	12.77	34.310	*****														

KOREA ,TAE BAEK SAN , STATION 204-06 , 33-35.8. N, 127-03.2. E, APR.11.1981, 10.40 KST, DEPTH 128 , COLOR 5, TRANS. 9.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1012. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

0	15.30	34.490	*****							0	15.30	34.490	*****	25.53	246	246	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	15.30	34.490	*****							10	15.30	34.490	*****	25.53	246	246	.0246
20	14.80	34.460	*****							20	14.80	34.460	*****	25.62	238	238	.0489
30	14.56	34.460	*****							30	14.56	34.460	*****	25.67	233	233	.0725
50	14.57	34.480	*****							50	14.57	34.480	*****	25.68	231	233	.1192
75	14.50	34.490	*****							75	14.50	34.490	*****	25.71	229	231	.1772
100	14.36	34.460	*****							100	14.36	34.460	*****	25.71	229	231	.2351
125	14.15	34.470	*****							125	14.15	34.470	*****	25.77	224	227	.2925

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-20.8. N, 127-43.9. E, JUN.17.1981, 13.40 KST, DEPTH 38 , COLOR 4, TRANS. 12.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1005. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.34	33.470	*****	0	17.34	33.470 *****	24.28 365 365 .0000
10	16.14	33.530	*****	10	16.14	33.530 *****	24.61 334 334 .0350
20	15.25	33.570	*****	20	15.25	33.570 *****	24.84 312 312 .0673
30	14.49	33.550	*****	30	14.49	33.550 *****	24.98 298 298 .0979

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-13.7. N, 127-35.4. E, JUN.17.1981, 12.20 KST, DEPTH 28 , COLOR 3, TRANS. 11.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1003. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	15.31	33.250	*****	0	15.31	33.250 *****	24.58 337 336 .0000
10	14.77	33.350	*****	10	14.77	33.350 *****	24.77 318 318 .0328
20	12.84	33.450	*****	20	12.84	33.450 *****	25.24 273 273 .0624
25	12.68	33.480	*****				

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-06.7. N, 127-26.8. E, JUN.17.1981, 11.00 KST, DEPTH 45 , COLOR 2, TRANS. 12.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1003.5, AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	17.56	33.220	*****							0	17.56	33.220	*****	24.04	388	388	.0000
10	15.67	33.320	*****							10	15.67	33.320	*****	24.55	339	339	.0364
20	14.10	33.490	*****							20	14.10	33.490	*****	25.02	295	295	.0681
30	13.45	33.690	*****							30	13.45	33.690	*****	25.31	267	268	.0963
40	13.19	33.720	*****														

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-54.1. N, 127-15.2. E, JUN.17.1981, 09.00 KST, DEPTH 73 , COLOR 3, TRANS. 12.0,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1004. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	19.05	33.210	*****							0	19.05	33.210	*****	23.66	424	424	.0000
10	18.46	33.170	*****							10	18.46	33.170	*****	23.78	413	413	.0419
20	15.20	33.600	*****							20	15.20	33.600	*****	24.87	309	309	.0780
30	14.60	33.730	*****							30	14.60	33.730	*****	25.10	287	287	.1079
50	14.35	33.810	*****							50	14.35	33.810	*****	25.21	276	277	.1644
70	14.02	33.820	*****														

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-45.5. N, 127-09.2. E, JUN.17.1981, 07.40 KST, DEPTH 90 , COLOR 3, TRANS. 10.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1004. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER F ,

0	19.98	33.100	*****							0	19.98	33.100	*****	23.34	455	454	.0000
10	19.90	33.080	*****							10	19.90	33.080	*****	23.35	454	454	.0455
20	18.00	33.560	*****							20	18.00	33.560	*****	24.19	374	374	.0869
30	15.31	33.650	*****							30	15.31	33.650	*****	24.68	308	308	.1211
50	15.15	34.070	*****							50	15.15	34.070	*****	25.24	273	275	.1794
75	14.75	34.220	*****							75	14.75	34.220	*****	25.44	254	256	.2458
87	14.55	34.260	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN ; STATION 204-06 , 33-35.8. N, 127-03.2. E, JUN.17.1981, 06.20 KST, DEPTH 128 , COLOR 3, TRANS. 12.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1004.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.90	33.610	*****	0	17.90	33.610	*****	24.25	368	367	.0000
10	15.46	33.700	*****	10	15.46	33.700	*****	24.89	307	307	.0338
20	14.72	33.750	*****	20	14.72	33.750	*****	25.09	288	288	.0636
30	14.72	33.840	*****	30	14.72	33.840	*****	25.16	281	282	.0921
50	14.39	33.970	*****	50	14.39	33.970	*****	25.33	265	266	.1470
75	14.05	34.060	*****	75	14.05	34.060	*****	25.47	252	253	.2121
100	13.98	34.160	*****	100	13.98	34.160	*****	25.56	243	245	.2746
125	14.12	34.460	*****	125	14.12	34.460	*****	25.76	224	227	.3337

8 월 (August)

KOREA ,TAE PAEK SAN , STATION 204-01 , 34-20.8. N, 127-43.9. E, AUG.20.1981, 06.20 KST, DEPTH 38 , COLOR 4, TRANS. 10.0,

WAVE N 1, SWELL N 1, WIND E 1, BARO 1000. , AIR TEMP. DRY 25.7, WET . , CLOUD. TYPE AC, AMT 4, WEATHER BC,

0	25.69	30.630	*****	0	25.69	30.630	*****	19.86	788	788	.0000
10	25.40	30.580	*****	10	25.40	30.580	*****	19.91	783	783	.0786
20	23.53	31.290	*****	20	23.53	31.290	*****	21.00	679	679	.1517
30	21.26	31.850	*****	30	21.26	31.850	*****	22.05	578	578	.2146

KOREA ,TAE PAEK SAN , STATION 204-02 , 34-13.7. N, 127-35.4. E, AUG.19.1981, 07.10 KST, DEPTH 28 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 999. , AIR TEMP. DRY 25.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.06	30.330	*****	0	26.06	30.330	*****	19.53	820	820	.0000
10	25.64	30.510	*****	10	25.64	30.510	*****	19.79	795	795	.0808
20	20.24	31.970	*****	20	20.24	31.970	*****	22.42	543	543	.1478
25	15.24	33.170	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 204-03 , 34-06.7. N, 127-26.8. E, AUG.19.1981, 06.00 KST, DEPTH 45 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 25.8, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	25.59	30.590	*****	0	25.39	30.590	*****	19.92	782	782	.0000
10	21.76	31.500	*****	10	21.76	31.500	*****	21.65	616	616	.0699
20	16.46	32.930	*****	20	16.46	32.930	*****	24.07	385	385	.1200
30	15.52	33.190	*****	30	15.52	33.190	*****	24.48	346	346	.1566
40	14.35	33.500	*****								

KOREA ,TAE PAEK SAN , STATION 204-04 , 33-54.1. N, 127-15.2. E, AUG.19.1981, 04.10 KST, DEPTH 75 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 25.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.61	30.180	*****	0	26.61	30.180	*****	19.24	848	847	.0000
10	24.99	30.410	*****	10	24.99	30.410	*****	19.91	783	783	.0816
20	18.19	32.230	*****	20	18.19	32.230	*****	23.13	475	475	.1446
30	17.60	33.000	*****	30	17.60	33.000	*****	23.86	405	406	.1886
50	16.00	33.560	*****	50	16.00	33.560	*****	24.66	329	330	.2623
70	15.29	34.560	*****								

KOREA ,TAE PAEK SAN , STATION 204-05 , 33-45.5. N, 127-09.2. E, AUG.19.1981, 03.10 KST, DEPTH 90 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 24.4, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	25.65	30.250	*****	0	25.65	30.250	*****	19.59	814	814	.0000
10	21.71	31.460	*****	10	21.71	31.460	*****	21.64	618	618	.0716
20	19.61	31.980	*****	20	19.61	31.980	*****	22.59	527	527	.1289
30	18.57	32.560	*****	30	18.57	32.560	*****	23.29	460	460	.1783
50	16.63	33.540	*****	50	16.63	33.540	*****	24.50	344	345	.2590
75	14.70	33.800	*****	75	14.70	33.800	*****	25.13	284	286	.3579
85	15.00	34.090	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 204-06 , 33-35.8. N, 127-03.2. E, AUG.19.1981, 02.00 KST, DEPTH 120 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.76	30.030	*****	0	26.76	30.030	*****	19.08	863	863	.0000
10	25.24	30.580	*****	10	25.24	30.580	*****	19.96	778	778	.0821
20	21.84	31.530	*****	20	21.84	31.530	*****	21.65	616	616	.1519
30	17.72	32.890	*****	30	17.72	32.890	*****	23.75	416	416	.2036
50	16.42	33.500	*****	50	16.42	33.500	*****	24.52	342	343	.2796
75	16.09	33.640	*****	75	16.09	33.640	*****	24.70	325	327	.3635
100	14.80	34.050	*****	100	14.80	34.050	*****	25.30	268	270	.4382
115	14.99	34.440	*****								

10월 (October)

KOREA ,JI PI SAN , STATION 204-01 , 34-20.8. N, 127-43.9. E, OCT.13.1981, 20.40 KST, DEPTH 38 , COLOR 5, TRANS. 13.0,

WAVE 4, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE NS, AMT 5, WEATHER PC,

0	18.47	32.580	*****	0	18.47	32.580	*****	23.33	456	456	.0000
10	18.46	32.640	*****	10	18.46	32.640	*****	23.38	451	451	.0454
20	18.55	32.740	*****	20	18.55	32.740	*****	23.43	446	446	.0903
30	16.55	33.290	*****	30	16.55	33.290	*****	24.33	360	361	.1307

KOREA ,JI PI SAN , STATION 204-02 , 34-13.7. N, 127-35.4. E, OCT.14.1981, 00.25 KST, DEPTH 28 , COLOR 5, TRANS. 13.0,

WAVE 3, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 15.6, WET . , CLOUD. TYPE SC, AMT 4, WEATHER PC,

0	18.17	32.350	*****	0	18.17	32.350	*****	23.23	466	465	.0000
10	18.24	32.330	*****	10	18.24	32.330	*****	23.19	469	469	.0467
20	17.58	32.730	*****	20	17.58	32.730	*****	23.66	424	425	.0915
25	16.43	33.250	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI DI SAN , STATION 204-03 , 34-06.7. N, 127-26.8. E, OCT.14.1981, 01.40 KST, DEPTH 45 , COLOR 5, TRANS. 15.0,

WAVE 3, SWELL 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 14.9, WET . , CLOUD. TYPE SC, AMT 5, WEATHER PC,

0	17.59	32.750	*****							0	17.59	32.750	*****	23.67	423	423	.0000
10	17.55	32.730	*****							10	17.55	32.730	*****	23.67	424	424	.0424
20	17.55	32.760	*****							20	17.55	32.760	*****	23.69	421	422	.0847
30	17.57	32.730	*****							30	17.57	32.730	*****	23.68	424	425	.1271
46	17.46	32.760	*****														

KOREA ,JI DI SAN , STATION 204-04 , 33-54.1. N, 127-15.2. E, OCT.15.1981, 10.10 KST, DEPTH 75 , COLOR 4, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NW 1, BARO 1022. , AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	20.93	33.300	*****							0	20.93	33.300	*****	23.24	464	464	.0000
10	20.99	33.310	*****							10	20.99	33.310	*****	23.23	465	465	.0465
20	19.98	33.430	*****							20	19.98	33.430	*****	23.59	431	431	.0913
30	19.69	33.470	*****							30	19.69	33.470	*****	23.70	421	421	.1340
50	18.37	33.640	*****							50	18.37	33.640	*****	24.16	376	378	.2140
70	15.72	33.650	*****														

KOREA ,JI DI SAN , STATION 204-05 , 33-45.5. N, 127-09.2. E, OCT.15.1981, 11.25 KST, DEPTH 90 , COLOR 4, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	21.68	33.930	*****							0	21.68	33.930	*****	23.52	438	438	.0000
10	21.64	33.980	*****							10	21.64	33.980	*****	23.56	433	433	.0436
20	21.57	33.960	*****							20	21.57	33.960	*****	23.57	433	433	.0870
30	21.66	33.950	*****							30	21.66	33.950	*****	23.54	436	437	.1305
50	21.46	33.960	*****							50	21.46	33.960	*****	23.60	430	431	.2174
75	18.70	34.090	*****							75	18.70	34.090	*****	24.42	352	354	.3157
85	17.58	34.240	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 204-06 , 33-35.8. N, 127-03.2. E, OCT.15.1981, 12.45 KST, DEPTH 128 , COLOR 3, TRANS. 20.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1022. , AIR TEMP. DRY 23.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	23.80	34.030	*****							0	23.80	34.030	*****	22.99	488	488	.0000
10	23.78	34.010	*****							10	23.78	34.010	*****	22.98	489	489	.0489
20	23.70	34.010	*****							20	23.70	34.010	*****	23.00	487	487	.0978
30	23.48	34.000	*****							30	23.48	34.000	*****	23.06	482	482	.1463
50	23.36	33.990	*****							50	23.36	33.990	*****	23.09	479	480	.2427
75	22.99	33.980	*****							75	22.99	33.980	*****	23.19	470	472	.3618
100	19.46	34.450	*****							100	19.46	34.450	*****	24.50	344	347	.4642
125	16.21	34.500	*****							125	16.21	34.500	*****	25.33	265	268	.5412

12월(December)

KOREA ,TAE BAEK SAN , STATION 204-01 , 34-20.8. N, 127-43.9. E, DEC. 9.1981, 12.20 KST, DEPTH 38 , COLOR 5, TRANS. 6.0,

WAVE NW 2, SWELL NW 1, WIND NW 4, BARO 1020.5, AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	13.54	34.000	*****							0	13.54	34.000	*****	25.53	246	246	.0000
10	13.79	34.030	*****							10	13.79	34.030	*****	25.50	249	249	.0248
20	13.78	34.010	*****							20	13.78	34.010	*****	25.49	250	250	.0498
30	13.55	34.010	*****							30	13.55	34.010	*****	25.53	246	246	.0746

KOREA ,TAE BAEK SAN , STATION 204-02 , 34-13.7. N, 127-35.4. E, DEC. 9.1981, 13.50 KST, DEPTH 28 , COLOR 6, TRANS. 9.0,

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1020.5, AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	13.35	33.990	*****							0	13.35	33.990	*****	25.56	243	243	.0000
10	13.46	33.980	*****							10	13.46	33.980	*****	25.53	246	246	.0245
20	13.40	33.990	*****							20	13.40	33.990	*****	25.55	244	244	.0491

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 204-03 , 34-06.7. N, 127-26.8. E, DEC. 9.1981, 15.20 KST, DEPTH 45 , COLOR 4, TRANS. 10.0,
WAVE NW 2, SWELL NW 1, WIND NW 4, BARO 1021. , AIR TEMP. DRY 10.8, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	14.24	34.120	*****							0	14.24	34.120	*****	25.48	251	251	.0000
10	14.41	34.120	*****							10	14.41	34.120	*****	25.44	255	255	.0253
20	14.35	34.120	*****							20	14.35	34.120	*****	25.45	253	254	.0508
30	12.78	33.840	*****							30	12.78	33.840	*****	25.56	243	244	.0757
40	11.69	33.630	*****														

KOREA ,TAE BAEK SAN , STATION 204-04 , 33-54.1. N, 127-15.2. E, DEC.11.1981, 09.20 KST, DEPTH 75 , COLOR 6, TRANS. 7.0,
WAVE NW 2, SWELL NW 1, WIND NW 4, BARO 1021. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	15.00	34.020	*****							0	15.00	34.020	*****	25.24	274	274	.0000
10	15.04	34.050	*****							10	15.04	34.050	*****	25.25	273	273	.0274
20	14.92	34.030	*****							20	14.92	34.030	*****	25.26	272	272	.0546
30	14.91	34.020	*****							30	14.91	34.020	*****	25.26	272	273	.0819
50	14.92	34.010	*****							50	14.92	34.010	*****	25.25	273	274	.1367
70	14.72	33.990	*****														

KOREA ,TAE BAEK SAN , STATION 204-05 , 33-45.5. N, 127-09.2. E, DEC.11.1981, 10.35 KST, DEPTH 90 , COLOR 5, TRANS. 9.0,
WAVE NW 2, SWELL NW 1, WIND NW 4, BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	17.25	34.300	*****							0	17.25	34.300	*****	24.94	302	302	.0000
10	17.42	34.360	*****							10	17.42	34.360	*****	24.94	302	302	.0303
20	17.49	34.300	*****							20	17.49	34.300	*****	24.88	308	308	.0608
30	17.49	34.300	*****							30	17.49	34.300	*****	24.88	308	309	.0917
50	17.53	34.300	*****							50	17.53	34.300	*****	24.87	309	310	.1537
75	17.26	34.170	*****							75	17.26	34.170	*****	24.84	312	314	.2318
87	16.79	34.480	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE PAEK SAN , STATION 204-06 , 33-35.8. N, 127-03.2. E, DEC.11.1991, 11.50 KST, DEPTH 128 , COLOR 5, TRANS. 10.0.																	
WAVE NW 2, SWELL NW 1, WIND NW 5, BARO 1021. , AIR TEMP. DRY 11.1, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,																	
0	17.90	34.290	*****							0	17.90	34.290	*****	24.77	318	318	.0000
10	17.90	34.270	*****							10	17.90	34.270	*****	24.76	320	320	.0319
20	17.91	34.270	*****							20	17.91	34.270	*****	24.75	320	320	.0640
30	17.98	34.260	*****							30	17.98	34.260	*****	24.73	322	323	.0961
50	17.75	34.350	*****							50	17.75	34.350	*****	24.86	310	311	.1597
75	16.93	34.490	*****							75	16.93	34.490	*****	25.16	281	283	.2341
100	16.67	34.530	*****							100	16.67	34.530	*****	25.25	273	275	.3041
125	16.69	34.530	*****							125	16.69	34.530	*****	25.25	273	276	.3732

203선 해양관측 성적

Oceanographic Data. Line 203

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-56.6. N, 126-31.4. E, FEB.27.1981, 18.00 KST, DEPTH 57 , COLOR 4, TRANS. 8.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1029. , AIR TEMP. DRY 1.0, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	11.47	34.260	*****	0	11.47	34.260	*****	26.13	189	188	.0000
10	12.29	34.250	*****	10	12.29	34.250	*****	25.97	204	204	.0197
20	12.44	34.240	*****	20	12.44	34.240	*****	25.93	208	208	.0403
30	12.48	34.540	*****	30	12.48	34.540	*****	26.16	186	187	.0601
50	12.49	34.530	*****	50	12.49	34.530	*****	26.15	187	188	.0977

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-47.5. N, 126-26.3. E, FEB.27.1981, 16.55 KST, DEPTH 95 , COLOR 3, TRANS. 9.0,
WAVE NW 3, SWELL NW 1, WIND NW 3, BARO 1028. , AIR TEMP. DRY .9, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	11.97	34.500	*****	0	11.97	34.500	*****	26.23	180	180	.0000
10	12.61	34.520	*****	10	12.61	34.520	*****	26.12	190	190	.0185
20	12.67	34.500	*****	20	12.67	34.500	*****	26.09	193	193	.0377
30	12.77	34.500	*****	30	12.77	34.500	*****	26.07	195	195	.0572
50	12.78	34.510	*****	50	12.78	34.510	*****	26.08	194	195	.0963
75	12.73	34.500	*****	75	12.73	34.500	*****	26.08	194	196	.1453
92	12.70	34.510	*****								

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-38.3. N, 126-21.3. E, FEB.27.1981, 15.40 KST, DEPTH 135 , COLOR 3, TRANS. 10.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1027. , AIR TEMP. DRY .5, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	12.09	34.540	*****	0	12.09	34.540	*****	26.23	179	179	.0000
10	12.57	34.590	*****	10	12.57	34.590	*****	26.18	184	184	.0182
20	12.49	34.550	*****	20	12.49	34.550	*****	26.16	186	186	.0368

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	12.55	34.560	*****							30	12.55	34.560	*****	26.16	186	187	.0555
50	12.51	34.570	*****							50	12.51	34.570	*****	26.18	185	186	.0928
75	12.55	34.550	*****							75	12.55	34.550	*****	26.15	187	188	.1397
100	12.48	34.560	*****							100	12.48	34.560	*****	26.17	185	187	.1867
125	12.55	34.620	*****							125	12.55	34.620	*****	26.21	182	185	.2333

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-56.6. N, 126-31.4. E, APR.14.1981, 11.10 KST, DEPTH 55 , COLOR 4, TRANS. 10.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 15.9, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	11.16	33.670	*****	0	11.16	33.670	*****	25.73	227	227	.0000
10	10.87	33.710	*****	10	10.87	33.710	*****	25.82	219	219	.0223
20	10.76	33.750	*****	20	10.76	33.750	*****	25.87	214	214	.0440
30	10.80	33.830	*****	30	10.80	33.830	*****	25.92	209	209	.0653
50	10.41	33.930	*****	50	10.41	33.930	*****	26.07	195	196	.1059

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-47.5. N, 126-26.3. E, APR.14.1981, 09.50 KST, DEPTH 95 , COLOR 4, TRANS. 11.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1021. , AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	11.10	33.500	*****	0	11.10	33.500	*****	25.61	238	238	.0000
10	11.10	33.510	*****	10	11.10	33.510	*****	25.62	238	238	.0238
20	11.09	33.640	*****	20	11.09	33.640	*****	25.72	228	228	.0472
30	11.14	33.770	*****	30	11.14	33.770	*****	25.81	219	219	.0696
50	11.26	33.890	*****	50	11.26	33.890	*****	25.88	212	213	.1129
75	10.86	33.880	*****	75	10.86	33.880	*****	25.95	206	208	.1656
92	10.90	33.870	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-38.3. N, 126-21.3. E, APR.14.1981, 07.40 KST, DEPTH 128 , COLOR 4, TRANS. 7.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1020. , AIR TEMP. DRY 12.4, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	11.50	33.540	*****	0	11.50	33.540	*****	25.57	242	242	.0000
10	11.30	33.570	*****	10	11.30	33.570	*****	25.63	237	237	.0240
20	11.39	33.650	*****	20	11.39	33.650	*****	25.67	232	232	.0475
30	11.19	33.690	*****	30	11.19	33.690	*****	25.74	226	226	.0705
50	11.19	33.740	*****	50	11.19	33.740	*****	25.78	222	223	.1155
75	11.29	33.830	*****	75	11.29	33.830	*****	25.83	217	219	.1708
100	11.24	33.950	*****	100	11.24	33.950	*****	25.94	208	209	.2264
125	11.24	34.010	*****	125	11.24	34.010	*****	25.98	203	206	.2765

6 월(June)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-56.6. N, 126-31.4. E, JUN. 9.1981, 11.00 KST, DEPTH 57 , COLOR 4, TRANS. 11.0,
WAVE NW 2, SWELL NW 2, WIND NE 2, BARO 1012. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	17.78	32.440	*****	0	17.78	32.440	*****	23.39	450	450	.0000
10	15.39	32.580	*****	10	15.39	32.580	*****	24.05	387	387	.0419
20	13.84	32.970	*****	20	13.84	32.970	*****	24.67	328	328	.0777
30	12.46	33.190	*****	30	12.46	33.190	*****	25.12	285	286	.1084
50	11.85	33.200	*****	50	11.85	33.200	*****	25.24	274	274	.1645

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-47.5. N, 126-26.3. E, JUN. 9.1981, 09.40 KST, DEPTH 95 , COLOR 3, TRANS. 13.0,
WAVE NW 2, SWELL NW 1, WIND NE 2, BARO 1012. , AIR TEMP. DRY 18.3, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.23	32.430	*****	0	18.23	32.430	*****	23.27	461	461	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.92	32.530	*****							10	16.92	32.530	*****	23.66	424	424	.0443
20	14.41	32.880	*****							20	14.41	32.880	*****	24.49	345	346	.0828
30	13.23	33.120	*****							30	13.23	33.120	*****	24.91	305	305	.1154
50	12.43	33.660	*****							50	12.43	33.660	*****	25.49	250	251	.1711
75	12.45	33.750	*****							75	12.45	33.750	*****	25.55	244	245	.2333
92	12.66	33.810	*****														

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-38.3. N, 126-21.3. E, JUN. 9.1981, 08.35 KST, DEPTH 135 , COLOR 2, TRANS. 11.0,
WAVE NW 1, SWELL NW 1, WIND NE 1, BARO 1015. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	17.91	32.640	*****							0	17.91	32.640	*****	23.51	438	438	.0000
10	15.80	32.810	*****							10	15.80	32.810	*****	24.13	379	379	.0409
20	15.03	33.060	*****							20	15.03	33.060	*****	24.49	345	345	.0772
30	13.60	33.190	*****							30	13.60	33.190	*****	24.89	307	307	.1098
50	13.00	33.510	*****							50	13.00	33.510	*****	25.26	272	273	.1679
75	13.44	34.000	*****							75	13.44	34.000	*****	25.55	244	246	.2329
100	13.39	34.000	*****							100	13.39	34.000	*****	25.56	243	245	.2944
125	13.30	33.990	*****							125	13.30	33.990	*****	25.57	242	245	.3558

8 월 (August)

KOREA ,TAE PAEK SAN , STATION 203-01 , 33-56.6. N, 126-31.4. E, AUG.12.1981, 09.50 KST, DEPTH 57 , COLOR 4, TRANS. 10.0,
WAVE N 1, SWELL N 1, WIND N 6, BARO 1001.5, AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	25.54	30.590	*****							0	25.54	30.590	*****	19.88	786	786	.0000
10	22.85	31.610	*****							10	22.85	31.610	*****	21.43	637	637	.0712
20	19.36	32.510	*****							20	19.36	32.510	*****	23.05	482	483	.1272

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
30	19.17	32.410	*****							30	19.17	32.410	*****	23.02	485	485	.1757
50	19.57	32.700	*****							50	19.57	32.700	*****	23.14	474	475	.2718

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-47.5. N, 126-26.3. E, AUG.12.1981, 08.40 KST, DEPTH 95 , COLOR 3, TRANS. 11.0,
WAVE N 1, SWELL N 1, WIND N 4, BARO 1001.5, AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	27.54	30.030	*****							0	27.54	30.030	*****	18.84	887	886	.0000
10	24.81	31.450	*****							10	24.81	31.450	*****	20.74	703	703	.0795
20	17.56	32.720	*****							20	17.56	32.720	*****	23.66	425	425	.1360
30	15.31	33.250	*****							30	15.31	33.250	*****	24.58	337	337	.1741
50	14.41	33.480	*****							50	14.41	33.480	*****	24.95	301	302	.2382
75	14.40	33.610	*****							75	14.40	33.610	*****	25.05	292	293	.3128
90	14.66	33.650	*****														

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-38.3. N, 126-21.3. E, AUG.12.1981, 07.50 KST, DEPTH 135 , COLOR 3, TRANS. 11.0,
WAVE N 1, SWELL N 1, WIND N 4, BARO 1001.5, AIR TEMP. DRY 21.6, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	28.01	******	*****							0	28.01	******	*****	*****	***	***	.0000
10	28.03	******	*****							10	28.03	******	*****	*****	***	***	******
20	18.01	31.550	*****							20	18.01	31.550	*****	22.66	520	520	******
30	15.61	33.170	*****							30	15.61	33.170	*****	24.45	349	349	******
50	14.03	33.420	*****							50	14.03	33.420	*****	24.98	298	299	******
75	13.32	33.420	*****							75	13.32	33.420	*****	25.13	284	286	******
100	13.79	33.740	*****							100	13.79	33.740	*****	25.28	270	272	******
125	13.80	33.740	*****							125	13.80	33.740	*****	25.28	270	273	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월(October)

KOREA ,JI RI SAN , STATION 203-01 , 33-56.6. N, 126-31.4. E, OCT.25.1981, 23.25 KST, DEPTH 57 , COLOR 4, TRANS. 18.0,
WAVE 1, SWELL 1, WIND W 2, BARO 1030. , AIR TEMP. DRY 13.8. WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	16.36	33.330	*****	0	16.36	33.330	*****	24.40	353	353	.0000
10	16.19	33.300	*****	10	16.19	33.300	*****	24.42	352	352	.0353
20	16.19	33.310	*****	20	16.19	33.310	*****	24.43	351	351	.0705
30	16.12	33.310	*****	30	16.12	33.310	*****	24.44	350	350	.1056
50	16.19	33.360	*****	50	16.19	33.360	*****	24.46	347	349	.1756

KOREA ,JI RI SAN , STATION 203-02 , 33-47.5. N, 126-26.3. E, OCT.25.1981, 22.10 KST, DEPTH 95 , COLOR 4, TRANS. 18.0,
WAVE 1, SWELL 1, WIND W 2, BARO 1030. , AIR TEMP. DRY 19.3. WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	20.82	33.650	*****	0	20.82	33.650	*****	23.54	436	436	.0000
10	20.95	33.650	*****	10	20.95	33.650	*****	23.50	439	439	.0438
20	20.97	33.640	*****	20	20.97	33.640	*****	23.49	441	441	.0879
30	21.03	33.660	*****	30	21.03	33.660	*****	23.49	441	441	.1320
50	20.73	33.670	*****	50	20.73	33.670	*****	23.58	432	433	.2196
75	19.76	33.700	*****	75	19.76	33.700	*****	23.85	406	408	.3248
85	16.45	33.890	*****								

KOREA ,JI RI SAN , STATION 203-03 , 33-38.3. N, 126-21.3. E, OCT.17.1981, 09.05 KST, DEPTH 135 , COLOR 4, TRANS. 19.0,
WAVE 1, SWELL 1, WIND E 3, BARO 1018.5, AIR TEMP. DRY 20.0. WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	21.82	33.830	*****	0	21.82	33.830	*****	23.40	449	449	.0000
10	21.88	33.800	*****	10	21.88	33.800	*****	23.36	453	453	.0451

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	21.83	33.800	*****							20	21.83	33.800	*****	23.38	451	452	.0904
30	21.83	33.800	*****							30	21.83	33.800	*****	23.38	451	452	.1356
50	21.94	33.840	*****							50	21.94	33.840	*****	23.38	451	453	.2262
75	19.70	33.920	*****							75	19.70	33.920	*****	24.04	388	390	.3317
100	17.84	34.030	*****							100	17.84	34.030	*****	24.59	336	338	.4229
125	17.56	34.260	*****							125	17.56	34.260	*****	24.83	312	316	.5048

12월 (December)

KOREA ,TAE BAEK SAN , STATION 203-01 , 33-56.6. N, 126-31.4. E, DEC.18.1981, 11.50 KST, DEPTH 57 , COLOR , TRANS. 8.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1028. , AIR TEMP. DRY 8.9, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	15.25	34.160	*****	0	15.25	34.160	*****	25.29	269	269	.0000
10	15.35	34.160	*****	10	15.35	34.160	*****	25.27	271	271	.0270
20	15.34	34.150	*****	20	15.34	34.150	*****	25.26	272	272	.0542
30	15.35	34.150	*****	30	15.35	34.150	*****	25.26	272	272	.0815
50	15.32	34.150	*****	50	15.32	34.150	*****	25.27	271	272	.1360

KOREA ,TAE BAEK SAN , STATION 203-02 , 33-47.5. N, 126-26.3. E, DEC.18.1981, 10.40 KST, DEPTH 93 , COLOR 5, TRANS. 6.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1029. , AIR TEMP. DRY 9.9, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	16.11	34.340	*****	0	16.11	34.340	*****	25.23	274	274	.0000
10	16.13	34.350	*****	10	16.13	34.350	*****	25.24	274	274	.0274
20	16.18	34.360	*****	20	16.18	34.360	*****	25.23	274	275	.0549
30	16.15	34.340	*****	30	16.15	34.340	*****	25.23	275	276	.0825
50	16.20	34.360	*****	50	16.20	34.360	*****	25.23	275	276	.1377

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	16.18	34.350	*****							75	16.18	34.350	*****	25.23	275	277	.2069
90	16.19	34.370	*****														

KOREA ,TAE BAEK SAN , STATION 203-03 , 33-38.3. N, 126-21.3. E, DEC.18.1981, 09.30 KST, DEPTH 128 , COLOR 5, TRANS. 6.0,

WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1029.5, AIR TEMP. DRY 8.8. WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	15.70	34.410	*****							0	15.70	34.410	*****	25.38	260	260	.0000
10	16.06	34.350	*****							10	16.06	34.350	*****	25.25	272	272	.0267
20	16.08	34.360	*****							20	16.08	34.360	*****	25.26	272	272	.0539
30	16.00	34.350	*****							30	16.00	34.350	*****	25.27	271	272	.0812
50	16.12	34.390	*****							50	16.12	34.390	*****	25.27	271	272	.1357
75	16.10	34.360	*****							75	16.10	34.360	*****	25.25	273	274	.2041
100	16.13	34.350	*****							100	16.13	34.350	*****	25.24	274	276	.2730
125	16.13	34.350	*****							125	16.13	34.350	*****	25.24	274	277	.3424

313선 해양관측 성적

Oceanographic Data. Line 313

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-24.4. N, 126-00.0. E, FEB.23.1981, 06.00 KST, DEPTH 90 , COLOR 4, TRANS. 8.0.
WAVE SE 4, SWELL SE 1, WIND SE 5, BARO 1008. , AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	12.74	34.440	*****	0	12.74	34.440	*****	26.03	199	198	.0000
10	13.29	34.430	*****	10	13.29	34.430	*****	25.91	210	210	.0204
20	13.30	34.440	*****	20	13.30	34.440	*****	25.92	209	209	.0415
30	13.32	34.460	*****	30	13.32	34.460	*****	25.93	208	209	.0624
50	13.34	34.470	*****	50	13.34	34.470	*****	25.93	208	209	.1042
75	13.37	34.470	*****	75	13.37	34.470	*****	25.93	208	210	.1567
85	13.35	34.470	*****								

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-24.4. N, 125-48.0. E, FEB.23.1981, 04.40 KST, DEPTH 92 , COLOR 4, TRANS. 6.0.
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1008. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	12.30	34.450	*****	0	12.30	34.450	*****	26.12	190	189	.0000
10	13.24	34.460	*****	10	13.24	34.460	*****	25.95	207	207	.0198
20	13.30	34.460	*****	20	13.30	34.460	*****	25.93	208	208	.0406
30	13.25	34.470	*****	30	13.25	34.470	*****	25.95	206	206	.0614
50	13.30	34.470	*****	50	13.30	34.470	*****	25.94	207	208	.1029
75	13.30	34.470	*****	75	13.30	34.470	*****	25.94	207	209	.1551
88	13.30	34.470	*****								

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-24.4. N, 125-36.0. E, FEB.23.1981, 03.22 KST, DEPTH 88 , COLOR 4, TRANS. 6.0.
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1008. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	13.05	34.460	*****	0	13.05	34.460	*****	25.98	203	203	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	13.15	34.440	*****							10	13.15	34.440	*****	25.95	206	206	.0205
20	13.20	34.450	*****							20	13.20	34.450	*****	25.95	207	207	.0412
30	13.18	34.450	*****							30	13.18	34.450	*****	25.95	206	207	.0619
50	13.10	34.460	*****							50	13.10	34.460	*****	25.97	204	205	.1032
75	13.05	34.470	*****							75	13.05	34.470	*****	25.99	202	204	.1544
85	13.06	34.440	*****														

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-24.4. N, 125-24.0. E, FEB.23.1981, 02.05 KST, DEPTH 84 , COLOR 4, TRANS. 7.0,
WAVE SE 4, SWELL SE 1, WIND SE 4, BARO 1009. , AIR TEMP. DRY 7.2, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	12.73	34.430	*****							0	12.73	34.430	*****	26.02	199	199	.0000
10	12.76	34.440	*****							10	12.76	34.440	*****	26.03	199	199	.0199
20	12.80	34.440	*****							20	12.80	34.440	*****	26.02	200	200	.0399
30	12.80	34.440	*****							30	12.80	34.440	*****	26.02	200	200	.0600
50	12.80	34.430	*****							50	12.80	34.430	*****	26.01	200	201	.1002
75	12.80	34.440	*****							75	12.80	34.440	*****	26.02	200	201	.1507

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-24.4. N, 125-12.0. E, FEB.23.1981, 00.55 KST, DEPTH 83 , COLOR 4, TRANS. 8.0,
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1009. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	12.76	34.320	*****							0	12.76	34.320	*****	25.93	208	207	.0000
10	12.52	34.310	*****							10	12.52	34.310	*****	25.97	204	204	.0206
20	12.43	34.320	*****							20	12.43	34.320	*****	26.00	202	202	.0410
30	12.60	34.310	*****							30	12.60	34.310	*****	25.96	205	206	.0614
50	12.60	34.340	*****							50	12.60	34.340	*****	25.98	203	204	.1025
75	12.59	34.320	*****							75	12.59	34.320	*****	25.97	205	206	.1539

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,TAE PAEK SAN , STATION 313-07 , 33-24.4. N, 125-00.0. E, FEB.22.1981, 23.40 KST, DEPTH 72 , COLOR 5, TRANS. 7.0,
WAVE SE 4, SWELL SE 1, WIND SE 4, BARO 1009. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	12.03	34.200	*****	0	12.03	34.200	*****	25.98	203	203	.0000
10	12.02	34.190	*****	10	12.02	34.190	*****	25.98	204	204	.0204
20	12.07	34.210	*****	20	12.07	34.210	*****	25.98	203	203	.0408
30	12.09	34.210	*****	30	12.09	34.210	*****	25.98	203	204	.0612
50	12.03	34.210	*****	50	12.03	34.210	*****	25.99	202	203	.1020
70	12.08	34.220	*****								

KOREA ,TAE PAEK SAN , STATION 313-08 , 33-24.4. N, 124-48.0. E, FEB.22.1981, 22.30 KST, DEPTH 76 , COLOR 4, TRANS. 7.0,
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1011. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	11.75	34.120	*****	0	11.75	34.120	*****	25.97	204	204	.0000
10	11.77	34.080	*****	10	11.77	34.080	*****	25.94	207	207	.0206
20	11.80	34.090	*****	20	11.80	34.090	*****	25.94	207	207	.0414
30	11.60	34.100	*****	30	11.60	34.100	*****	25.99	203	203	.0619
50	11.80	34.110	*****	50	11.80	34.110	*****	25.96	206	206	.1030
73	11.80	34.090	*****								

KOREA ,TAE PAEK SAN , STATION 313-09 , 33-24.4. N, 124-36.0. E, FEB.22.1981, 21.15 KST, DEPTH 70 , COLOR 5, TRANS. 8.0,
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1011. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	11.38	33.970	*****	0	11.38	33.970	*****	25.92	209	208	.0000
10	11.34	******	*****	10	11.34	******	*****	*****	***	***	******
20	11.38	33.950	*****	20	11.38	33.950	*****	25.91	210	210	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	11.34	34.010	*****							30	11.34	34.010	*****	25.96	205	205	******
50	11.40	33.980	*****							50	11.40	33.980	*****	25.93	208	209	******
67	11.43	33.950	*****														

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-24.4. N, 124-24.0. E, FEB.22.1981, 20.05 KST, DEPTH 68 , COLOR 5, TRANS. 7.0,
WAVE SE 4, SWELL SE 2, WIND SE 4, BARO 1012. , AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	11.09	33.850	*****							0	11.09	33.850	*****	25.88	212	212	.0000
10	10.99	33.810	*****							10	10.99	33.810	*****	25.87	214	214	.0213
20	10.97	33.860	*****							20	10.97	33.860	*****	25.91	210	210	.0425
30	11.00	33.840	*****							30	11.00	33.840	*****	25.89	212	212	.0637
50	11.01	33.920	*****							50	11.01	33.920	*****	25.95	206	207	.1056
65	11.09	33.910	*****														

4 월(April)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-24.4. N, 126-00.0. E, APR.13.1981, 04.30 KST, DEPTH 90 , COLOR , TRANS. . ,
WAVE , SWELL , WIND , BARO 1012.5, AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	12.78	34.100	*****							0	12.78	34.100	*****	25.76	224	224	.0000
10	12.74	34.100	*****							10	12.74	34.100	*****	25.77	224	223	.0224
20	12.74	34.100	*****							20	12.74	34.100	*****	25.77	224	224	.0448
30	12.79	34.110	*****							30	12.79	34.110	*****	25.76	224	224	.0673
50	12.83	34.130	*****							50	12.83	34.130	*****	25.77	223	224	.1122
75	12.88	34.150	*****							75	12.88	34.150	*****	25.78	222	224	.1683
87	12.60	34.120	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-24.4. N, 125-48.0. E, APR.13.1981, 03.10 KST, DEPTH 90 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 10.0. WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.26	33.990	*****	0	12.26	33.990	*****	25.78	223	222	.0000
10	12.45	33.980	*****	10	12.45	33.980	*****	25.73	227	227	.0225
20	12.46	33.980	*****	20	12.46	33.980	*****	25.73	227	227	.0453
30	12.50	33.980	*****	30	12.50	33.980	*****	25.72	228	228	.0681
50	12.60	34.020	*****	50	12.60	34.020	*****	25.73	227	228	.1138
75	12.65	34.080	*****	75	12.65	34.080	*****	25.77	223	225	.1705
85	12.87	34.150	*****								

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-24.4. N, 125-36.0. E, APR.13.1981, 02.00 KST, DEPTH 86 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010.5, AIR TEMP. DRY 10.0. WET , , CLOUD. TYPE , AMT , WEATHER ,

0	12.53	33.430	*****	0	12.53	33.430	*****	25.29	269	269	.0000
10	12.46	33.430	*****	10	12.46	33.430	*****	25.30	268	268	.0269
20	12.42	34.000	*****	20	12.42	34.000	*****	25.75	225	225	.0515
30	12.42	34.010	*****	30	12.42	34.010	*****	25.76	224	225	.0741
50	12.40	34.020	*****	50	12.40	34.020	*****	25.77	223	224	.1190
75	12.25	34.010	*****	75	12.25	34.010	*****	25.79	221	223	.1750
83	12.43	34.000	*****								

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-24.4. N, 125-24.0. E, APR.13.1981, 00.40 KST, DEPTH 84 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 10.0. WET , , CLOUD. TYPE , AMT , WEATHER ,

0	10.66	33.100	*****	0	10.66	33.100	*****	25.38	261	260	.0000
10	10.69	33.120	*****	10	10.69	33.120	*****	25.39	260	259	.0260

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	10.48	33.200	*****							20	10.48	33.200	*****	25.49	250	250	.0516
30	11.37	33.680	*****							30	11.37	33.680	*****	25.70	230	230	.0756
50	11.36	33.700	*****							50	11.36	33.700	*****	25.72	228	229	.1216
75	11.82	33.880	*****							75	11.82	33.880	*****	25.77	223	224	.1784

KOREA , TAE BAEK SAN , STATION 313-06 , 33-24.4. N, 125-12.0. E, APR.12.1981, 23.30 KST, DEPTH 81 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 9.2. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.27	32.860	*****							0	10.27	32.860	*****	25.26	272	272	.0000
10	10.29	33.010	*****							10	10.29	33.010	*****	25.37	261	261	.0267
20	10.20	33.070	*****							20	10.20	33.070	*****	25.43	255	255	.0525
30	10.57	33.350	*****							30	10.57	33.350	*****	25.59	241	241	.0774
50	10.92	33.480	*****							50	10.92	33.480	*****	25.63	237	238	.1253
75	10.91	33.500	*****							75	10.91	33.500	*****	25.64	235	236	.1847

KOREA , TAE BAEK SAN , STATION 313-07 , 33-24.4. N, 125-00.0. E, APR.12.1981, 22.10 KST, DEPTH 73 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 9.6. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.00	32.630	*****							0	10.00	32.630	*****	25.12	285	284	.0000
10	10.00	32.620	*****							10	10.00	32.620	*****	25.12	285	285	.0285
20	9.63	32.740	*****							20	9.63	32.740	*****	25.27	271	271	.0564
30	9.49	33.120	*****							30	9.49	33.120	*****	25.59	240	241	.0820
50	9.94	33.300	*****							50	9.94	33.300	*****	25.66	234	235	.1296
70	10.20	33.380	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-08 , 33-24.4. N, 124-48.0. E, APR.12.1981, 21.00 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 9.8. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.04	32.970	*****	0	10.04	32.970	*****	25.38	260	260	.0000
10	10.37	32.960	*****	10	10.37	32.960	*****	25.32	266	266	.0263
20	10.11	33.250	*****	20	10.11	33.250	*****	25.59	240	241	.0517
30	10.10	33.370	*****	30	10.10	33.370	*****	25.68	231	232	.0754
50	10.40	33.490	*****	50	10.40	33.490	*****	25.73	227	228	.1215
72	10.69	33.560	*****								

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-24.4. N, 124-36.0. E, APR.12.1981, 19.40 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1011. , AIR TEMP. DRY 9.9. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.58	33.270	*****	0	10.58	33.270	*****	25.52	247	246	.0000
10	10.45	33.280	*****	10	10.45	33.280	*****	25.55	244	244	.0265
20	10.20	33.330	*****	20	10.20	33.330	*****	25.64	236	236	.0486
30	10.09	33.530	*****	30	10.09	33.530	*****	25.81	219	220	.0714
50	10.21	33.610	*****	50	10.21	33.610	*****	25.85	215	216	.1151
67	10.23	33.620	*****								

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-24.4. N, 124-24.0. E, APR.12.1981, 18.30 KST, DEPTH 67 , COLOR 2, TRANS. 8.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 9.9. WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	10.50	32.990	*****	0	10.50	32.990	*****	25.32	266	266	.0000
10	10.50	32.960	*****	10	10.50	32.960	*****	25.30	268	268	.0267
20	10.00	33.040	*****	20	10.00	33.040	*****	25.44	254	254	.0529
30	10.18	33.480	*****	30	10.18	33.480	*****	25.76	225	225	.0769

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	10.20	33.520	*****							50	10.20	33.520	*****	25.78	222	223	.1218
65	10.19	33.530	*****														

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KOREA ,TAE BAEK SAN , STATION 313-02 , 33-24.4. N, 126-00.0. E, JUN.13.1981, 09.20 KST, DEPTH 90 , COLOR 3, TRANS. 10.0.
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1002. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	17.09	33.080	*****	0	17.09	33.080	*****	24.04	388	387	.0000
10	17.02	33.020	*****	10	17.02	33.020	*****	24.01	391	391	.0389
20	16.90	33.060	*****	20	16.90	33.060	*****	24.07	385	385	.0778
30	16.85	33.270	*****	30	16.85	33.270	*****	24.24	369	369	.1155
50	14.45	33.200	*****	50	14.45	33.200	*****	24.72	323	324	.1849
75	14.41	33.720	*****	75	14.41	33.720	*****	25.13	284	286	.2612
85	13.94	33.830	*****								

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-24.4. N, 125-48.0. E, JUN.13.1981, 10.30 KST, DEPTH 90 , COLOR 3, TRANS. 11.0.
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1002. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	17.80	32.520	*****	0	17.80	32.520	*****	23.45	445	444	.0000
10	17.74	32.530	*****	10	17.74	32.530	*****	23.47	443	443	.0444
20	13.55	32.680	*****	20	13.55	32.680	*****	24.51	343	343	.0837
30	13.44	33.320	*****	30	13.44	33.320	*****	25.02	294	295	.1157
50	13.25	33.960	*****	50	13.25	33.960	*****	25.56	243	244	.1697
75	13.25	33.970	*****	75	13.25	33.970	*****	25.56	243	244	.2309
85	13.50	33.970	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-24.4. N, 125-36.0. E, JUN.13.1981, 11.50 KST, DEPTH 87 , COLOR 4, TRANS. 12.0,
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1002. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.10	32.330	*****	0	18.10	32.330	*****	23.03	465	465	.0000
10	18.01	32.350	*****	10	18.01	32.350	*****	23.07	462	462	.0464
20	14.80	32.610	*****	20	14.80	32.610	*****	24.20	373	373	.0882
30	13.89	32.960	*****	30	13.89	32.960	*****	24.66	329	330	.1234
50	13.60	33.970	*****	50	13.60	33.970	*****	25.49	249	250	.1815
75	13.44	34.000	*****	75	13.44	34.000	*****	25.55	244	246	.2437
85	13.43	33.980	*****							

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-24.4. N, 125-24.0. E, JUN.13.1981, 13.00 KST, DEPTH 84 , COLOR 4, TRANS. 13.0,
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1003. , AIR TEMP. DRY 19.6, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	18.34	32.450	*****	0	18.34	32.450	*****	23.26	462	462	.0000
10	14.98	32.640	*****	10	14.98	32.640	*****	24.18	375	375	.0419
20	14.44	32.830	*****	20	14.44	32.830	*****	24.44	350	350	.0781
30	14.03	33.860	*****	30	14.03	33.860	*****	25.32	266	266	.1090
50	13.67	33.960	*****	50	13.67	33.960	*****	25.47	252	253	.1610
80	13.39	33.970	*****	75	13.44	33.968	*****	25.53	246	248	.2237

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-24.4. N, 125-12.0. E, JUN.13.1981, 14.10 KST, DEPTH 80 , COLOR 5, TRANS. 11.0,
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1005. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER C ,

0	18.83	32.400	*****	0	18.83	32.400	*****	23.10	477	477	.0000
10	18.51	32.390	*****	10	18.51	32.390	*****	23.17	471	471	.0474
20	14.46	32.530	*****	20	14.46	32.530	*****	24.21	372	372	.0896

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	11.89	33.640	*****							30	11.89	33.640	*****	25.57	242	242	.1204
50	12.42	33.640	*****							50	12.22	33.640	*****	25.51	248	249	.1696
75	12.36	33.610	*****							75	12.36	33.610	*****	25.46	253	254	.2325
KOREA ,TAE BAEK SAN , STATION 313-07 , 33-24.4. N, 125-00.0. E, JUN.13.1981, 15.30 KST, DEPTH 72 , COLOR 3, TRANS. 10.0,																	
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1002. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE NS, AMT 6, WEATHER C ,																	
0	18.62	32.310	*****							0	18.62	32.310	*****	23.09	479	479	.0000
10	12.96	32.480	*****							10	12.96	32.480	*****	24.47	347	347	.0413
20	12.30	33.570	*****							20	12.30	33.570	*****	25.44	254	255	.0714
30	12.27	33.590	*****							30	12.27	33.590	*****	25.46	252	253	.0968
50	12.24	33.570	*****							50	12.24	33.570	*****	25.45	253	254	.1476
70	12.28	33.570	*****														
KOREA ,TAE BAEK SAN , STATION 313-08 , 33-24.4. N, 124-48.0. E, JUN.13.1981, 16.50 KST, DEPTH 76 , COLOR 3, TRANS. 11.0,																	
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1002. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,																	
0	18.66	32.300	*****							0	18.66	32.300	*****	23.07	481	480	.0000
10	18.59	32.290	*****							10	18.59	32.290	*****	23.08	480	480	.0481
20	14.98	32.410	*****							20	14.98	32.410	*****	24.00	391	392	.0917
30	12.95	33.520	*****							30	12.95	33.520	*****	25.28	270	271	.1248
50	11.51	33.340	*****							50	11.51	33.340	*****	25.41	257	258	.1778
72	11.53	33.370	*****														
KOREA ,TAE BAEK SAN , STATION 313-09 , 33-24.4. N, 124-36.0. E, JUN.13.1981, 18.00 KST, DEPTH 70 , COLOR 3, TRANS. 11.0,																	
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1002. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,																	
0	18.67	32.300	*****							0	18.67	32.300	*****	23.07	481	481	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.57	32.330	*****							10	18.57	32.330	*****	23.11	476	476	.0479
20	13.86	32.520	*****							20	13.86	32.520	*****	24.32	361	361	.0898
30	12.94	32.510	*****							30	12.94	32.510	*****	24.50	344	345	.1252
50	12.65	33.250	*****							50	12.65	33.250	*****	25.13	284	285	.1882
65	12.11	33.530	*****														

KOREA ,TAE PAEK SAN , STATION 313-10 , 33-24.4. N, 124-24.0. E, JUN.13.1981, 19.10 KST, DEPTH 68 , COLOR 3, TRANS. 10.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1002. , AIR TEMP. DRY 19.9, WET . , CLOUD. TYPE AS, AMT 9, WEATHER BC,

0	18.90	32.360	*****							0	18.90	32.360	*****	23.05	482	482	.0000
10	18.74	32.390	*****							10	18.74	32.390	*****	23.12	476	476	.0479
20	13.54	32.470	*****							20	13.54	32.470	*****	24.35	358	359	.0897
30	11.43	33.270	*****							30	11.43	33.270	*****	25.37	261	261	.1208
50	11.40	33.290	*****							50	11.40	33.290	*****	25.39	259	260	.1730
65	11.39	33.290	*****														

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KOREA ,TAE PAEK SAN , STATION 313-02 , 33-24.4. N, 126-00.0. E, AUG.14.1981, 09.20 KST, DEPTH 90 , COLOR 3, TRANS. 12.0,
WAVE N 3, SWELL N 2, WIND NW 2, BARO 1007. , AIR TEMP. DRY 27.3, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	27.98	30.380	*****							0	27.98	30.380	*****	18.96	875	875	.0000
10	27.93	30.590	*****							10	27.93	30.590	*****	19.13	858	858	.0867
20	16.05	31.410	*****							20	16.05	31.410	*****	23.00	487	487	.1540
30	14.93	32.550	*****							30	14.93	32.550	*****	24.12	380	381	.1974
50	14.58	33.620	*****							50	14.58	33.620	*****	25.02	295	296	.2652
75	13.44	33.560	*****							75	13.44	33.560	*****	25.21	276	278	.3570
85	13.05	33.530	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-24.4. N, 125-48.0. E, AUG.14.1981, 10.30 KST, DEPTH 92 , COLOR 3, TRANS. 12.0,

WAVE N 2, SWELL N 2, WIND NW 2, BARO 1007. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	27.90	30.590	*****	0	27.90	30.590	*****	19.14	857	857	.0000
10	19.01	31.570	*****	10	19.01	31.570	*****	22.43	542	542	.0700
20	13.27	32.250	*****	20	13.27	32.250	*****	24.23	369	370	.1156
30	12.79	33.470	*****	30	12.79	33.470	*****	25.27	271	271	.1477
50	12.76	33.520	*****	50	12.76	33.520	*****	25.31	267	267	.2017
75	12.83	33.640	*****	75	12.83	33.640	*****	25.39	259	261	.2678
88	12.79	33.730	*****								

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-24.4. N, 125-36.0. E, AUG.14.1981, 11.20 KST, DEPTH 88 , COLOR 3, TRANS. 12.0,

WAVE , SWELL , WIND NW 3, BARO 1007. , AIR TEMP. DRY 26.9, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	27.92	30.590	*****	0	27.92	30.590	*****	19.14	858	858	.0000
10	27.92	30.480	*****	10	27.92	30.480	*****	19.05	866	866	.0862
20	16.35	32.340	*****	20	16.35	32.340	*****	23.65	425	426	.1508
30	12.55	33.340	*****	30	12.55	33.340	*****	25.22	276	276	.1860
50	12.76	33.500	*****	50	12.76	33.500	*****	25.30	268	269	.2406
75	13.75	33.510	*****	75	13.75	33.510	*****	25.11	286	288	.3103
85	12.67	33.470	*****								

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-24.4. N, 125-24.0. E, AUG.17.1981, 14.00 KST, DEPTH 84 , COLOR 4, TRANS. 11.0,

WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1001. , AIR TEMP. DRY 28.3, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	28.18	30.610	*****	0	28.18	30.610	*****	19.07	865	864	.0000
10	28.03	30.700	*****	10	28.03	30.700	*****	19.18	853	853	.0859

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	17.13	31.650	*****							20	17.13	31.650	*****	22.94	493	493	.1533
30	13.06	32.810	*****							30	13.06	32.810	*****	24.71	324	325	.1943
50	12.89	33.430	*****							50	12.89	33.430	*****	25.22	276	276	.2545
75	13.01	33.410	*****							75	13.01	33.410	*****	25.18	279	281	.3243
80	13.00	33.470	*****														

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-24.4. N, 125-12.0. E, AUG.17.1981, 15.10 KST, DEPTH 83 , COLOR 4, TRANS. 11.0,
WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1001. , AIR TEMP. DRY 28.3, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	28.13	30.520	*****							0	28.13	30.520	*****	19.01	869	869	.0000
10	27.87	30.400	*****							10	27.87	30.400	*****	19.01	870	870	.0870
20	14.81	32.230	*****							20	14.81	32.230	*****	23.90	401	401	.1506
30	12.74	32.810	*****							30	12.74	32.810	*****	24.77	318	319	.1867
50	12.76	33.320	*****							50	12.76	33.320	*****	25.16	281	282	.2469
75	12.83	33.340	*****							75	12.83	33.340	*****	25.16	281	283	.3176

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-24.4. N, 125-00.0. E, AUG.17.1981, 16.20 KST, DEPTH 72 , COLOR 4, TRANS. 9.0,
WAVE SW 2, SWELL SW 2, WIND SW 6, BARO 1000. , AIR TEMP. DRY 28.2, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	27.93	30.670	*****							0	27.93	30.670	*****	19.19	852	852	.0000
10	27.80	30.500	*****							10	27.80	30.500	*****	19.11	861	861	.0857
20	16.40	32.070	*****							20	16.40	32.070	*****	23.43	446	446	.1511
30	12.39	33.210	*****							30	12.39	33.210	*****	25.15	283	283	.1876
50	12.11	33.080	*****							50	12.11	33.080	*****	25.10	287	288	.2448
68	12.48	33.150	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-08 , 33-24.4. N, 124-48.0. E, AUG.17.1981, 17.30 KST, DEPTH 76 , COLOR 4, TRANS. 10.0,

WAVE SW 2, SWELL SW 2, WIND SW 6, BARO 999. , AIR TEMP. DRY 28.3, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	27.93	30.520	*****							0	27.93	30.520	*****	19.08	863	863	.0000
10	27.80	30.770	*****							10	27.80	30.770	*****	19.31	841	841	.0853
20	15.22	32.230	*****							20	15.22	32.230	*****	23.81	410	410	.1479
30	12.38	33.120	*****							30	12.38	33.120	*****	25.08	289	289	.1829
50	12.40	33.290	*****							50	12.40	33.290	*****	25.21	277	278	.2397
70	12.30	33.240	*****														

KOREA ,TAE BAEK SAN , STATION 313-09 , 33-24.4. N, 124-36.0. E, AUG.17.1981, 18.40 KST, DEPTH 70 , COLOR 4, TRANS. 10.0,

WAVE SW 2, SWELL SW 2, WIND SW 4, BARO 999. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	27.00	30.310	*****							0	27.00	30.310	*****	19.22	850	850	.0000
10	26.70	30.240	*****							10	26.70	30.240	*****	19.26	846	846	.0848
20	16.25	32.100	*****							20	16.25	32.100	*****	23.49	441	441	.1492
30	12.30	33.020	*****							30	12.30	33.020	*****	25.02	295	295	.1861
50	12.40	33.200	*****							50	12.40	33.200	*****	25.14	283	284	.2441
65	12.30	33.280	*****														

KOREA ,TAE BAEK SAN , STATION 313-10 , 33-24.4. N, 124-24.0. E, AUG.17.1981, 19.50 KST, DEPTH 68 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 999. , AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.50	30.790	*****							0	27.50	30.790	*****	19.42	831	830	.0000
10	27.12	30.790	*****							10	27.12	30.790	*****	19.54	819	819	.0825
20	15.68	31.060	*****							20	15.68	31.060	*****	22.82	505	505	.1488
30	13.13	32.590	*****							30	13.13	32.590	*****	24.52	342	342	.1912
50	12.11	32.840	*****							50	12.11	32.840	*****	24.91	305	305	.2560
65	12.15	33.190	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월 (October)

KOREA ,JI RI SAN , STATION 313-02 , 33-24.4. N, 126-00.0. E, OCT.17.1981, 06.35 KST, DEPTH 90 , COLOR 3, TRANS. 13.0,
WAVE 2, SWELL 2, WIND E 3, BARO 1018.5, AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	22.90	34.010	*****	0	22.90	34.010	*****	23.23	465	465	.0000
10	22.88	33.980	*****	10	22.88	33.980	*****	23.22	467	467	.0466
20	22.82	33.980	*****	20	22.82	33.980	*****	23.23	465	465	.0932
30	22.31	33.980	*****	30	22.31	33.980	*****	23.38	451	452	.1391
50	21.58	34.080	*****	50	21.58	34.080	*****	23.66	424	426	.2270
75	21.25	34.120	*****	75	21.25	34.120	*****	23.78	413	415	.3322
85	20.95	34.150	*****								

KOREA ,JI RI SAN , STATION 313-03 , 33-24.4. N, 125-48.0. E, OCT.17.1981, 05.20 KST, DEPTH 92 , COLOR 7, TRANS. 13.0,
WAVE 2, SWELL 2, WIND E 3, BARO 1019.5, AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	22.04	34.020	*****	0	22.04	34.020	*****	23.48	441	441	.0000
10	22.06	34.020	*****	10	22.06	34.020	*****	23.48	442	442	.0442
20	21.70	34.030	*****	20	21.70	34.030	*****	23.59	431	432	.0879
30	21.60	34.050	*****	30	21.60	34.050	*****	23.63	427	428	.1309
50	21.36	34.070	*****	50	21.36	34.070	*****	23.71	419	421	.2159
75	19.74	34.250	*****	75	19.74	34.250	*****	24.28	365	367	.3145
85	18.98	34.260	*****								

KOREA ,JI RI SAN , STATION 313-04 , 33-24.4. N, 125-36.0. E, OCT.17.1981, 04.05 KST, DEPTH 88 , COLOR 7, TRANS. 13.0,
WAVE 1, SWELL 1, WIND E 3, BARO 1019.5, AIR TEMP. DRY 18.6, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	22.78	33.980	*****	0	22.78	33.980	*****	23.25	464	463	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	22.87	33.980	*****							10	22.87	33.980	*****	23.22	466	466	.0465
20	22.98	33.990	*****							20	22.98	33.990	*****	23.20	469	469	.0933
30	22.90	33.960	*****							30	22.90	33.960	*****	23.20	469	469	.1403
50	22.83	33.990	*****							50	22.83	33.990	*****	23.24	464	466	.2339
75	22.22	33.990	*****							75	22.22	33.990	*****	23.41	448	450	.3485
80	19.20	34.000	*****														

KOREA ,JI RI SAN , STATION 313-05 , 33-24.4. N, 125-24.0. E, OCT.17.1981, 02.50 KST, DEPTH 84 , COLOR 6, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1019.5, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER BC,

0	22.82	34.000	*****							0	22.82	34.000	*****	23.25	463	463	.0000
10	22.88	33.980	*****							10	22.88	33.980	*****	23.22	467	467	.0465
20	22.98	33.980	*****							20	22.98	33.980	*****	23.19	469	470	.0934
30	22.90	33.970	*****							30	22.90	33.970	*****	23.20	468	468	.1403
50	22.97	33.980	*****							50	22.97	33.980	*****	23.19	469	470	.2343
75	22.88	33.970	*****							75	22.88	33.970	*****	23.21	467	469	.3519

KOREA ,JI RI SAN , STATION 313-06 , 33-24.4. N, 125-12.0. E, OCT.17.1981, 01.35 KST, DEPTH 83 , COLOR 6, TRANS. 12.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1019.5, AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER BC,

0	22.54	33.930	*****							0	22.54	33.930	*****	23.28	461	461	.0000
10	22.75	33.930	*****							10	22.75	33.930	*****	23.22	467	467	.0464
20	22.72	33.940	*****							20	22.72	33.940	*****	23.23	465	465	.0931
30	22.74	33.940	*****							30	22.74	33.940	*****	23.23	466	466	.1397
50	22.78	33.930	*****							50	22.78	33.930	*****	23.21	467	469	.2333
75	19.73	34.030	*****							75	19.73	34.030	*****	24.11	381	383	.3399

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 313-07 , 33-24.4, N, 125-00.0, E, OCT.17,1981, 00.20 KST, DEPTH 72 , COLOR 6, TRANS. 13.0,
WAVE 1, SWELL 1, WIND NE 2, BARO 1019.5, AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	22.44	33.860	*****	0	22.44	33.860	*****	23.25	463	463	.0000
10	22.49	33.860	*****	10	22.49	33.860	*****	23.24	465	465	.0464
20	22.47	33.880	*****	20	22.47	33.880	*****	23.26	463	463	.0929
30	22.40	33.900	*****	30	22.40	33.900	*****	23.29	459	460	.1391
50	21.93	34.060	*****	50	21.93	34.060	*****	23.54	435	436	.2288
65	19.60	33.990	*****								

KOREA ,JI RI SAN , STATION 313-08 , 33-24.4, N, 124-48.0, E, OCT.16,1981, 23.05 KST, DEPTH 76 , COLOR 7, TRANS. 13.0,
WAVE 1, SWELL 1, WIND NE 2, BARO 1018.5, AIR TEMP. DRY 17.6, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	22.50	33.900	*****	0	22.50	33.900	*****	23.26	462	462	.0000
10	22.53	33.890	*****	10	22.53	33.890	*****	23.25	464	464	.0463
20	22.53	33.910	*****	20	22.53	33.910	*****	23.26	462	462	.0927
30	22.49	33.890	*****	30	22.49	33.890	*****	23.26	462	463	.1390
50	18.11	33.590	*****	50	18.11	33.590	*****	24.19	374	375	.2229
70	14.65	33.630	*****								

KOREA ,JI RI SAN , STATION 313-09 , 33-24.4, N, 124-36.0, E, OCT.16,1981, 21.50 KST, DEPTH 70 , COLOR 7, TRANS. 13.0,
WAVE 1, SWELL 1, WIND NE 2, BARO 1018.5, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	20.97	32.980	*****	0	20.97	32.980	*****	22.99	488	488	.0000
10	20.84	33.050	*****	10	20.84	33.050	*****	23.08	480	480	.0484
20	20.81	33.080	*****	20	20.81	33.080	*****	23.11	477	477	.0964
30	20.05	33.130	*****	30	20.05	33.130	*****	23.35	454	455	.1430

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	19.94	33.800	*****							50	19.94	33.800	*****	23.68	403	404	.2290
65	14.35	33.600	*****														

KOREA ,JI RI SAN , STATION 313-10 , 33-24.4. N, 124-24.0. E, OCT.16.1981, 20.35 KST, DEPTH 68 , COLOR 7, TRANS. 13.0,
WAVE 1, SWELL 1, WIND NE 2, BARO 1018.5, AIR TEMP. DRY 17.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	20.05	31.990	*****							0	20.05	31.990	*****	22.48	537	537	.0000
10	19.89	31.940	*****							10	19.89	31.940	*****	22.48	537	537	.0537
20	19.80	31.920	*****							20	19.80	31.920	*****	22.49	536	536	.1074
30	13.68	32.170	*****							30	13.68	32.170	*****	24.09	383	384	.1534
50	10.78	32.830	*****							50	10.78	32.830	*****	25.15	282	283	.2202
60	10.10	32.760	*****														

12월 (December)

KOREA ,TAE BAEK SAN , STATION 313-02 , 33-24.4. N, 126-00.0. E, DEC.16.1981, 14.30 KST, DEPTH 90 , COLOR 4, TRANS. 7.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1030. , AIR TEMP. DRY 7.2, WET . , CLOUD. TYPE CU, AMT 9, WEATHER C ,

0	15.86	34.390	*****							0	15.86	34.390	*****	25.33	265	265	.0000
10	16.29	34.390	*****							10	16.29	34.390	*****	25.23	274	274	.0270
20	16.37	34.390	*****							20	16.37	34.390	*****	25.21	276	277	.0546
30	16.36	34.400	*****							30	16.36	34.400	*****	25.22	275	276	.0823
50	16.41	34.390	*****							50	16.41	34.390	*****	25.20	277	278	.1378
75	16.37	34.400	*****							75	16.37	34.400	*****	25.22	275	277	.2074
85	16.45	34.390	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 313-03 , 33-24.4. N, 125-48.0. E, DEC.16.1981, 15.40 KST, DEPTH 92 , COLOR 4, TRANS. 8.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1030. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE CU, AMT 9, WEATHER C ,

0	15.64	34.390	*****	0	15.64	34.390	*****	25.38	260	260	.0000
10	16.31	34.420	*****	10	16.31	34.420	*****	25.25	273	273	.0267
20	16.38	34.400	*****	20	16.38	34.400	*****	25.22	276	276	.0542
30	16.39	34.400	*****	30	16.39	34.400	*****	25.22	276	277	.0819
50	16.46	34.390	*****	50	16.46	34.390	*****	25.19	278	279	.1375
75	16.42	34.390	*****	75	16.42	34.390	*****	25.20	277	279	.2075
90	16.19	34.400	*****								

KOREA ,TAE BAEK SAN , STATION 313-04 , 33-24.4. N, 125-36.0. E, DEC.16.1981, 16.50 KST, DEPTH 88 , COLOR 4, TRANS. 9.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1031. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE CU, AMT 9, WEATHER C ,

0	16.10	34.390	*****	0	16.10	34.390	*****	25.27	270	270	.0000
10	16.14	34.410	*****	10	16.14	34.410	*****	25.28	270	270	.0270
20	16.20	34.390	*****	20	16.20	34.390	*****	25.25	272	273	.0542
30	16.29	34.400	*****	30	16.29	34.400	*****	25.24	274	274	.0816
50	16.29	34.400	*****	50	16.29	34.400	*****	25.24	274	275	.1366
75	16.25	34.430	*****	75	16.25	34.430	*****	25.27	271	273	.2052
85	16.29	34.390	*****								

KOREA ,TAE BAEK SAN , STATION 313-05 , 33-24.4. N, 125-24.0. E, DEC.16.1981, 18.00 KST, DEPTH 84 , COLOR , TRANS. . ,
WAVE , SWELL , WIND , BARO 1031. , AIR TEMP. DRY 6.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.04	34.360	*****	0	16.04	34.360	*****	25.27	271	271	.0000
10	16.19	34.380	*****	10	16.19	34.380	*****	25.25	273	273	.0272

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	16.23	34.390	*****							20	16.23	34.390	*****	25.25	273	273	.0546
30	16.26	34.380	*****							30	16.26	34.380	*****	25.23	275	275	.0821
50	16.25	34.390	*****							50	16.25	34.390	*****	25.24	274	275	.1372
75	16.25	34.440	*****							75	16.25	34.440	*****	25.28	270	272	.2056

KOREA ,TAE BAEK SAN , STATION 313-06 , 33-24.4. N, 125-12.0. E, DEC.16.1981, 19.10 KST, DEPTH 83 , COLOR , TRANS. . .

WAVE . SWELL , WIND , BARO 1032. , AIR TEMP. DRY 6.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.08	34.360	*****							0	16.08	34.360	*****	25.26	272	272	.0000
10	16.14	34.350	*****							10	16.14	34.350	*****	25.24	274	274	.0273
20	16.24	34.370	*****							20	16.24	34.370	*****	25.23	275	275	.0549
30	16.27	34.350	*****							30	16.27	34.350	*****	25.21	277	278	.0825
50	16.29	34.350	*****							50	16.29	34.350	*****	25.20	277	279	.1382
75	16.27	34.400	*****							75	16.27	34.400	*****	25.24	273	275	.2076

KOREA ,TAE BAEK SAN , STATION 313-07 , 33-24.4. N, 125-00.0. E, DEC.16.1981, 20.30 KST, DEPTH 72 , COLOR , TRANS. . .

WAVE . SWELL , WIND , BARO 1032. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.20	34.340	*****							0	16.20	34.340	*****	25.21	276	276	.0000
10	16.25	34.330	*****							10	16.25	34.330	*****	25.19	278	278	.0277
20	16.29	34.340	*****							20	16.29	34.340	*****	25.19	278	278	.0556
30	16.20	34.350	*****							30	16.20	34.350	*****	25.22	275	276	.0834
50	16.12	34.340	*****							50	16.12	34.340	*****	25.23	274	276	.1386
70	16.29	******	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 313-08 , 33-24.4. N, 124-48.0. E, DEC.16.1981, 21.40 KST, DEPTH 76 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1032. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.24	34.340	*****						0	16.24	34.340	*****	25.20	277	277	.0000
10	16.19	34.340	*****						10	16.19	34.340	*****	25.22	276	276	.0277
20	16.21	34.350	*****						20	16.21	34.350	*****	25.22	276	276	.0553
30	16.20	34.340	*****						30	16.20	34.340	*****	25.21	276	277	.0830
50	16.26	34.350	*****						50	16.26	34.350	*****	25.21	277	278	.1386
73	16.24	34.340	*****													

KOREA ,TAE PAEK SAN , STATION 313-09 , 33-24.4. N, 124-36.0. E, DEC.12.1981, 20.30 KST, DEPTH 70 , COLOR , TRANS. . ,

WAVE NW 3, SWELL NW 2, WIND NW 5, BARO 1025.5, AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.85	34.340	*****						0	15.85	34.340	*****	25.29	269	268	.0000
10	16.62	34.340	*****						10	16.62	34.340	*****	25.12	285	285	.0277
20	16.72	34.330	*****						20	16.72	34.330	*****	25.09	288	289	.0565
30	16.76	34.340	*****						30	16.76	34.340	*****	25.08	289	289	.0854
50	16.80	34.330	*****						50	16.80	34.330	*****	25.07	290	291	.1436
65	16.83	34.350	*****													

KOREA ,TAE PAEK SAN , STATION 313-10 , 33-24.4. N, 124-24.0. E, DEC.12.1981, 19.10 KST, DEPTH 68 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1026. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.65	34.320	*****						0	16.65	34.320	*****	25.09	288	287	.0000
10	16.80	34.320	*****						10	16.80	34.320	*****	25.06	291	291	.0290
20	16.77	34.330	*****						20	16.77	34.330	*****	25.07	289	290	.0580
30	16.84	34.320	*****						30	16.84	34.320	*****	25.05	292	292	.0872
50	16.81	34.310	*****						50	16.81	34.310	*****	25.05	292	293	.1458
65	16.84	34.330	*****													

314선 해양관측 성적

Oceanographic Data. Line 314

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-00.0. N, 129-00.0. E, FEB.19.1981, 06.40 KST, DEPTH 160 , COLOR 4, TRANS. 6.0,

WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1018.5, AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE SC, AMT 5, WEATHER B ,

0	14.47	34.670	*****	0	14.47	34.670	*****	25.85	216	215	.0000
10	14.47	34.630	*****	10	14.47	34.630	*****	25.82	218	218	.0217
20	14.48	34.640	*****	20	14.48	34.640	*****	25.83	218	218	.0436
30	14.52	34.630	*****	30	14.52	34.630	*****	25.81	219	220	.0656
50	14.52	34.640	*****	50	14.52	34.640	*****	25.82	219	220	.1097
75	14.52	34.640	*****	75	14.52	34.640	*****	25.82	219	221	.1648
100	14.53	34.630	*****	100	14.53	34.630	*****	25.81	220	222	.2203
125	14.57	34.670	*****	125	14.57	34.670	*****	25.83	218	221	.2757
150	14.57	34.640	*****	150	14.57	34.640	*****	25.81	220	224	.3314

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-00.0. N, 127-42.0. E, FEB.19.1981, 08.30 KST, DEPTH 140 , COLOR 3, TRANS. 7.0,

WAVE NW 4, SWELL NW 1, WIND NW 4, BARO 1018.5, AIR TEMP. DRY 8.9, WET . , CLOUD. TYPE SC, AMT 5, WEATHER B ,

0	14.07	34.610	*****	0	14.07	34.610	*****	25.89	212	212	.0000
10	14.49	34.550	*****	10	14.49	34.550	*****	25.75	225	225	.0219
20	14.54	34.590	*****	20	14.54	34.590	*****	25.77	223	223	.0443
30	14.53	34.600	*****	30	14.53	34.600	*****	25.78	222	222	.0666
50	14.59	34.610	*****	50	14.59	34.610	*****	25.78	222	223	.1113
75	14.58	34.590	*****	75	14.58	34.590	*****	25.77	224	225	.1675
100	14.60	34.580	*****	100	14.60	34.580	*****	25.75	225	227	.2242

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	14.56	34.580	*****							125	14.56	34.580	*****	25.76	224	227	.2811
135	14.55	34.580	*****														

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-00.0. N, 127-24.0. E, FEB.19.1981, 10.10 KST, DEPTH 125 , COLOR 4, TRANS. 6.0,
WAVE NW 4, SWELL NW 1, WIND NW 4, BARO 1019. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE AS, AMT 5, WEATHER B ,

0	14.37	34.550	*****							0	14.37	34.550	*****	25.78	222	222	.0000
10	14.52	34.520	*****							10	14.52	34.520	*****	25.72	228	228	.0225
20	14.60	34.550	*****							20	14.60	34.550	*****	25.73	227	227	.0453
30	14.62	34.570	*****							30	14.62	34.570	*****	25.74	226	226	.0680
50	14.63	34.560	*****							50	14.63	34.560	*****	25.73	227	228	.1136
75	14.62	34.500	*****							75	14.62	34.500	*****	25.69	231	233	.1713
100	14.60	34.550	*****							100	14.60	34.550	*****	25.73	227	229	.2292
120	14.62	34.550	*****														

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-00.0. N, 127-06.0. E, FEB.19.1981, 11.45 KST, DEPTH 110 , COLOR 4, TRANS. 6.0,
WAVE NW 4, SWELL NW 1, WIND NW 4, BARO 1019. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE AS, AMT 5, WEATHER B ,

0	12.87	34.470	*****							0	12.87	34.470	*****	26.03	199	198	.0000
10	14.16	34.470	*****							10	14.16	34.470	*****	25.76	224	224	.0212
20	14.22	34.470	*****							20	14.22	34.470	*****	25.75	225	225	.0437
30	14.30	34.470	*****							30	14.30	34.470	*****	25.73	227	227	.0664
50	14.31	34.460	*****							50	14.31	34.460	*****	25.72	228	229	.1121
75	14.27	34.460	*****							75	14.27	34.460	*****	25.73	227	229	.1693
100	14.30	34.450	*****							100	14.30	34.450	*****	25.72	228	231	.2269

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 314-04 , 33-00.0. N, 126-48.0. E, FEB.19.1981, 13.35 KST, DEPTH 100 , COLOR 4, TRANS. 6.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1020. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE AS, AMT 5, WEATHER B ,

0	13.45	34.430	*****	0	13.45	34.430	*****	25.88	213	213	.0000
10	13.68	34.430	*****	10	13.68	34.430	*****	25.83	217	217	.0215
20	13.68	34.490	*****	20	13.68	34.490	*****	25.88	213	213	.0431
30	13.75	34.450	*****	30	13.75	34.450	*****	25.83	217	218	.0647
50	13.65	34.400	*****	50	13.65	34.400	*****	25.82	219	220	.1086
75	13.77	34.390	*****	75	13.77	34.390	*****	25.78	222	224	.1641
97	13.75	34.410	*****								

KOREA ,TAE PAEK SAN , STATION 314-05 , 33-00.0. N, 126-30.0. E, FEB.19.1981, 15.20 KST, DEPTH 100 , COLOR 4, TRANS. 6.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1020. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	13.66	34.380	*****	0	13.66	34.380	*****	25.80	221	220	.0000
10	13.69	34.370	*****	10	13.69	34.370	*****	25.78	222	222	.0222
20	13.74	34.380	*****	20	13.74	34.380	*****	25.78	222	222	.0444
30	13.68	34.440	*****	30	13.68	34.440	*****	25.84	217	217	.0664
50	13.73	34.420	*****	50	13.73	34.420	*****	25.81	219	220	.1103
75	13.69	34.430	*****	75	13.69	34.430	*****	25.83	218	219	.1653
97	13.71	34.460	*****								

KOREA ,TAE PAEK SAN , STATION 314-06 , 33-00.0. N, 126-12.0. E, FEB.22.1981, 09.30 KST, DEPTH 110 , COLOR 5, TRANS. 7.0,
WAVE SE 2, SWELL SE 1, WIND SE 3, BARO 1018. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE NS, AMT 8, WEATHER BC,

0	13.74	34.370	*****	0	13.74	34.370	*****	25.77	223	223	.0000
10	13.77	34.360	*****	10	13.77	34.360	*****	25.76	224	224	.0224

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	13.74	34.380	*****							20	13.74	34.380	*****	25.78	222	222	.0448
30	13.73	34.360	*****							30	13.73	34.360	*****	25.77	223	224	.0671
50	13.68	34.380	*****							50	13.68	34.380	*****	25.79	221	222	.1118
75	13.71	34.370	*****							75	13.71	34.370	*****	25.78	222	224	.1677
100	13.75	34.370	*****							100	13.75	34.370	*****	25.77	223	225	.2240

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-00.0. N, 125-54.0. E, FEB.22.1981, 11.10 KST, DEPTH 95 , COLOR 5, TRANS. 7.0,
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1018. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER BC,

0	13.48	34.370	*****							0	13.48	34.370	*****	25.83	218	218	.0000
10	13.55	34.370	*****							10	13.55	34.370	*****	25.81	219	219	.0219
20	13.51	34.350	*****							20	13.51	34.350	*****	25.81	220	220	.0439
30	13.54	34.360	*****							30	13.54	34.360	*****	25.81	220	220	.0660
50	13.60	34.350	*****							50	13.60	34.350	*****	25.79	222	223	.1103
75	13.59	34.410	*****							75	13.59	34.410	*****	25.84	217	219	.1656
90	13.59	34.390	*****														

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-00.0. N, 125-36.0. E, FEB.22.1981, 12.55 KST, DEPTH 90 , COLOR 5, TRANS. 7.0,
WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1017. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	13.34	34.390	*****							0	13.34	34.390	*****	25.87	214	215	.0000
10	13.39	34.390	*****							10	13.39	34.390	*****	25.86	215	215	.0214
20	13.34	34.380	*****							20	13.34	34.380	*****	25.86	214	215	.0430
30	13.35	34.390	*****							30	13.35	34.390	*****	25.87	214	214	.0644
50	13.30	34.390	*****							50	13.30	34.390	*****	25.88	213	214	.1074
75	13.40	34.410	*****							75	13.40	34.410	*****	25.87	213	215	.1611
87	13.35	34.390	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-00.0. N, 125-18.0. E, FEB.22.1981, 14.35 KST, DEPTH 80 , COLOR 5, TRANS. 7.0,

WAVE SE 4, SWELL SE 1, WIND SE 4, BARO 1014. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.58	34.440	*****	0	12.58	34.440	*****	26.06	196	195	.0000
10	12.96	34.360	*****	10	12.96	34.360	*****	25.92	209	209	.0202
20	13.23	34.340	*****	20	13.23	34.340	*****	25.85	215	215	.0415
30	13.09	34.360	*****	30	13.09	34.360	*****	25.90	211	211	.0629
50	13.10	34.380	*****	50	13.10	34.380	*****	25.91	210	211	.1052
75	13.10	34.340	*****	75	13.10	34.340	*****	25.88	213	214	.1585

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-00.0. N, 125-00.0. E, FEB.22.1981, 16.20 KST, DEPTH 75 , COLOR 5, TRANS. 5.0,

WAVE SE 3, SWELL SE 1, WIND SE 4, BARO 1013. , AIR TEMP. DRY 8.7, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	12.34	34.130	*****	0	12.34	34.130	*****	25.87	214	214	.0000
10	12.33	34.120	*****	10	12.33	34.120	*****	25.86	214	214	.0214
20	12.29	34.150	*****	20	12.29	34.150	*****	25.89	212	212	.0428
30	12.32	34.120	*****	30	12.32	34.120	*****	25.86	214	215	.0642
50	12.40	34.160	*****	50	12.40	34.160	*****	25.88	213	214	.1071
72	12.42	34.160	*****								

4 월 (April)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-00.0. N, 128-00.0. E, APR.11.1981, 21.00 KST, DEPTH 160 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 15.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.70	34.610	*****	0	16.70	34.610	*****	25.30	267	267	.0000
10	16.02	34.630	*****	10	16.02	34.630	*****	25.48	251	251	.0260

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	15.92	34.630	*****							20	15.92	34.630	*****	25.50	249	249	.0510
30	15.91	34.670	*****							30	15.91	34.670	*****	25.53	246	246	.0759
50	15.55	34.610	*****							50	15.55	34.610	*****	25.57	242	244	.1249
75	15.43	34.630	*****							75	15.43	34.630	*****	25.61	238	240	.1855
100	15.22	34.600	*****							100	15.22	34.600	*****	25.63	236	239	.2455
125	15.17	34.620	*****							125	15.17	34.620	*****	25.66	234	237	.3051
150	14.29	34.620	*****							150	14.29	34.620	*****	25.85	216	219	.3622

KOREA , TAE BAEK SAN , STATION 314-01 , 33-00.0. N, 127-42.0. E, APR.11,1981, 22.40 KST, DEPTH 140 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 15.4. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.70	34.600	*****							0	16.70	34.600	*****	25.30	268	268	.0000
10	16.20	34.590	*****							10	16.20	34.590	*****	25.41	258	258	.0263
20	16.13	34.580	*****							20	16.13	34.580	*****	25.41	257	257	.0522
30	16.03	34.580	*****							30	16.03	34.580	*****	25.44	255	256	.0778
50	15.79	34.560	*****							50	15.79	34.560	*****	25.48	251	252	.1287
75	14.51	34.580	*****							75	14.51	34.580	*****	25.77	223	225	.1885
100	14.36	34.600	*****							100	14.36	34.600	*****	25.82	218	221	.2443
125	15.01	34.680	*****							125	15.01	34.680	*****	25.74	226	229	.3007
137	14.92	34.680	*****														

KOREA , TAE BAEK SAN , STATION 314-02 , 33-00.0. N, 127-24.0. E, APR.12,1981, 00.30 KST, DEPTH 125 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 15.2. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.78	34.690	*****							0	16.78	34.690	*****	25.35	263	263	.0000
10	16.49	34.690	*****							10	16.49	34.690	*****	25.41	257	257	.0261

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	16.37	34.710	*****							20	16.37	34.710	*****	25.46	253	253	.0516
30	16.34	34.700	*****							30	16.34	34.700	*****	25.46	253	254	.0770
50	16.13	34.710	*****							50	16.13	34.710	*****	25.51	248	249	.1273
75	16.12	34.690	*****							75	16.12	34.690	*****	25.50	249	251	.1899
100	16.13	34.680	*****							100	16.13	34.680	*****	25.49	250	252	.2529
120	16.00	34.670	*****														

KOREA , TAE BAEK SAN , STATION 314-03 , 33-00.0. N, 127-06.0. E, APR.12.1981, 02.10 KST, DEPTH 110 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 15.1, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	16.64	34.670	*****							0	16.64	34.670	*****	25.36	262	261	.0000
10	16.29	34.670	*****							10	16.29	34.670	*****	25.45	254	254	.0258
20	16.29	34.700	*****							20	16.29	34.700	*****	25.47	252	252	.0512
30	16.29	34.710	*****							30	16.29	34.710	*****	25.48	251	252	.0764
50	16.27	34.710	*****							50	16.27	34.710	*****	25.48	251	252	.1269
75	16.23	34.700	*****							75	16.23	34.700	*****	25.48	251	252	.1900
100	16.20	34.700	*****							100	16.20	34.700	*****	25.49	250	253	.2533

KOREA , TAE BAEK SAN , STATION 314-04 , 33-00.0. N, 126-48.0. E, APR.12.1981, 04.00 KST, DEPTH 100 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 14.8, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	16.40	34.670	*****							0	16.40	34.670	*****	25.42	256	256	.0000
10	16.15	34.640	*****							10	16.15	34.640	*****	25.46	253	253	.0255
20	16.10	34.640	*****							20	16.10	34.640	*****	25.47	252	252	.0508
30	16.09	34.650	*****							30	16.09	34.650	*****	25.48	251	252	.0761
50	16.08	34.650	*****							50	16.08	34.650	*****	25.48	251	252	.1266

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
75	15.72	34.640	*****							75	15.72	34.640	*****	25.55	244	246	.1889
97	15.20	34.580	*****														

KOREA ,TAE BAEK SAN , STATION 314-05 , 35-00.0. N, 126-30.0. E, APR.12.1981, 05.40 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1009. , AIR TEMP. DRY 13.2. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.39	34.510	*****							0	15.39	34.510	*****	25.53	246	246	.0000
10	15.30	34.550	*****							10	15.30	34.550	*****	25.58	242	241	.0244
20	15.28	34.510	*****							20	15.28	34.510	*****	25.55	244	244	.0488
30	14.60	34.450	*****							30	14.60	34.450	*****	25.65	234	235	.0728
50	14.17	34.450	*****							50	14.17	34.450	*****	25.75	226	227	.1190
75	14.14	34.470	*****							75	14.14	34.470	*****	25.77	224	225	.1756
97	14.14	34.480	*****														

KOREA ,TAE BAEK SAN , STATION 314-06 , 35-00.0. N, 126-12.0. E, APR.12.1981, 07.30 KST, DEPTH 110 , COLOR 3, TRANS. 10.0,

WAVE , SWELL , WIND NW 1, BARO 1009. , AIR TEMP. DRY 12.6. WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	13.55	34.060	*****							0	13.55	34.060	*****	25.57	242	242	.0000
10	13.41	34.090	*****							10	13.41	34.090	*****	25.63	237	237	.0240
20	13.50	34.110	*****							20	13.50	34.110	*****	25.62	237	237	.0478
30	13.17	34.170	*****							30	13.17	34.170	*****	25.74	227	227	.0710
50	14.02	34.490	*****							50	14.02	34.490	*****	25.81	220	221	.1159
75	14.06	34.510	*****							75	14.06	34.510	*****	25.81	219	221	.1712
100	14.08	34.500	*****							100	14.08	34.500	*****	25.80	220	222	.2267

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 314-07 , 33-00.0. N, 125-54.0. E, APR.12.1981, 09.10 KST, DEPTH 90 , COLOR 3, TRANS. 8.0,

WAVE , SWELL , WIND NW 1, BARO 1010. , AIR TEMP. DRY 12.4, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	13.20	34.320	*****							0	13.20	34.320	*****	25.85	216	216	.0000
10	13.64	34.350	*****							10	13.64	34.350	*****	25.78	222	222	.0220
20	13.64	34.340	*****							20	13.64	34.340	*****	25.77	223	223	.0443
30	13.65	34.330	*****							30	13.65	34.330	*****	25.76	224	225	.0667
50	13.65	34.330	*****							50	13.65	34.330	*****	25.76	224	225	.1118
75	13.81	34.450	*****							75	13.81	34.450	*****	25.82	218	220	.1676
87	13.80	34.500	*****														

KOREA ,TAE PAEK SAN , STATION 314-08 , 33-00.0. N, 125-36.0. E, APR.12.1981, 11.00 KST, DEPTH 89 , COLOR 3, TRANS. 11.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	12.52	33.920	*****							0	12.52	33.920	*****	25.67	233	232	.0000
10	12.47	33.970	*****							10	12.47	33.970	*****	25.72	228	228	.0231
20	12.40	33.950	*****							20	12.40	33.950	*****	25.72	228	228	.0459
30	12.41	33.960	*****							30	12.41	33.960	*****	25.72	228	228	.0688
50	12.91	34.310	*****							50	12.91	34.310	*****	25.90	211	212	.1130
75	12.97	34.340	*****							75	12.97	34.340	*****	25.91	210	212	.1661
86	12.97	34.350	*****														

KOREA ,TAE PAEK SAN , STATION 314-09 , 33-00.0. N, 125-18.0. E, APR.12.1981, 02.40 KST, DEPTH 80 , COLOR 3, TRANS. 13.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	10.44	33.530	*****							0	10.44	33.530	*****	25.75	225	225	.0000
10	10.54	33.770	*****							10	10.54	33.770	*****	25.92	209	209	.0217

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
20	11.37	33.820	*****							20	11.37	33.820	*****	25.81	219	220	.0432
30	11.38	33.830	*****							30	11.38	33.830	*****	25.82	219	219	.0652
50	11.43	33.860	*****							50	11.43	33.860	*****	25.83	217	218	.1090
75	11.38	33.880	*****							75	11.38	33.880	*****	25.86	215	217	.1635

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-00.0. N, 125-00.0. E, APR.12.1981, 14.30 KST, DEPTH 75 , COLOR 3, TRANS. 10.0.

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1010. , AIR TEMP. DRY 10.2, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	10.50	33.520	*****	0	10.50	33.520	*****	25.73	227	227	.0000
10	10.50	33.550	*****	10	10.30	33.550	*****	25.79	221	221	.0224
20	11.23	33.660	*****	20	11.23	33.660	*****	25.71	229	229	.0450
30	11.35	33.820	*****	30	11.35	33.820	*****	25.81	219	219	.0675
50	11.40	33.870	*****	50	11.40	33.870	*****	25.84	216	217	.1112
72	11.41	33.890	*****								

6 월 (June)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-00.0. N, 128-00.0. E, JUN.16.1981, 20.10 KST, DEPTH 158 , COLOR 3, TRANS. 11.0.

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1002. , AIR TEMP. DRY 21.2, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	20.30	33.630	*****	0	20.30	33.630	*****	23.66	424	424	.0000
10	20.83	33.600	*****	10	20.83	33.600	*****	23.50	440	440	.0432
20	20.40	33.860	*****	20	20.40	33.860	*****	23.81	410	410	.0858
30	19.33	33.880	*****	30	19.33	33.880	*****	24.10	382	383	.1255
50	17.70	34.180	*****	50	17.70	34.180	*****	24.74	321	323	.1961
75	16.77	34.230	*****	75	16.77	34.230	*****	25.00	297	299	.2739
100	15.39	34.060	*****	100	15.39	34.060	*****	25.18	279	282	.3466

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
125	14.41	34.050	*****							125	14.41	34.050	*****	25.39	260	263	.4148
150	11.93	34.110	*****							150	11.93	34.110	*****	25.93	208	211	.4741

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-00.0. N, 127-42.0. E, JUN.16.1981, 18.20 KST, DEPTH 138 , COLOR 3, TRANS. 11.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1003. , AIR TEMP. DRY 21.9, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	21.70	33.280	*****	0	21.70	33.280	*****	23.02	486	485	.0000
10	21.18	33.240	*****	10	21.18	33.240	*****	23.13	475	475	.0481
20	17.55	33.210	*****	20	17.55	33.210	*****	24.03	389	389	.0913
30	16.78	33.940	*****	30	16.78	33.940	*****	24.77	318	319	.1267
50	16.47	34.190	*****	50	16.47	34.190	*****	25.04	293	294	.1881
75	16.33	34.330	*****	75	16.33	34.330	*****	25.18	280	282	.2602
100	15.06	34.300	*****	100	15.06	34.300	*****	25.44	255	257	.3277
125	14.54	34.290	*****	125	14.54	34.290	*****	25.54	245	248	.3909
133	14.65	34.370	*****								

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-00.0. N, 127-24.0. E, JUN.16.1981, 16.40 KST, DEPTH 120 , COLOR 3, TRANS. 10.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1003. , AIR TEMP. DRY 22.7, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	20.99	32.970	*****	0	20.99	32.970	*****	22.98	490	489	.0000
10	20.82	32.990	*****	10	20.82	32.990	*****	23.04	484	484	.0487
20	19.40	33.480	*****	20	19.40	33.480	*****	23.78	413	413	.0936
30	11.57	33.530	*****	30	11.57	33.530	*****	25.55	244	245	.1265
50	12.54	33.760	*****	50	12.54	33.760	*****	25.54	245	246	.1757
75	13.55	33.900	*****	75	13.55	33.900	*****	25.45	254	255	.2384
100	14.40	34.290	*****	100	14.40	34.290	*****	25.57	242	244	.3010
115	14.45	34.310	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 314-03 , 33-00.0. N, 127-06.0. E, JUN.16.1981, 14.50 KST, DEPTH 110 , COLOR 3, TRANS. 11.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1003.5, AIR TEMP. DRY 23.2, WET . , CLOUD. TYPE SC, AMT 10, WEATHER C ,

0	21.13	33.100	*****	0	21.13	33.100	*****	23.04	484	483	.0000
10	17.78	33.400	*****	10	17.78	33.400	*****	24.12	380	380	.0432
20	11.99	33.490	*****	20	11.99	33.490	*****	25.44	255	255	.0750
30	13.04	33.540	*****	30	13.04	33.540	*****	25.27	270	271	.1014
50	13.91	34.090	*****	50	13.91	34.090	*****	25.52	247	248	.1533
75	14.32	34.250	*****	75	14.32	34.250	*****	25.56	243	245	.2150
100	14.31	34.260	*****	100	14.31	34.260	*****	25.57	242	245	.2763

KOREA ,TAE PAEK SAN , STATION 314-04 , 33-00.0. N, 126-48.0. E, JUN.15.1981, 11.30 KST, DEPTH 95 , COLOR 3, TRANS. 12.0,
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1003. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE CI, AMT 3, WEATHER P ,

0	20.39	33.290	*****	0	20.39	33.290	*****	23.38	451	451	.0000
10	20.13	33.240	*****	10	20.13	33.240	*****	23.41	448	448	.0450
20	16.48	33.390	*****	20	16.48	33.390	*****	24.42	352	352	.0851
30	13.18	33.460	*****	30	13.18	33.460	*****	25.19	279	279	.1167
50	13.57	33.580	*****	50	13.57	33.580	*****	25.20	278	278	.1725
75	13.17	33.720	*****	75	13.17	33.720	*****	25.39	260	261	.2401
90	13.80	34.140	*****								

KOREA ,TAE PAEK SAN , STATION 314-05 , 33-00.0. N, 126-30.0. E, JUN.15.1981, 09.45 KST, DEPTH 95 , COLOR 3, TRANS. 11.0,
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1002. , AIR TEMP. DRY 19.6, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	19.85	33.250	*****	0	19.85	33.250	*****	23.49	441	440	.0000
10	19.78	33.210	*****	10	19.78	33.210	*****	23.48	442	442	.0441

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	16.61	33.170	*****							20	16.61	33.170	*****	24.22	371	371	.0848
30	13.85	33.330	*****							30	13.85	33.330	*****	24.95	301	302	.1185
50	13.90	33.630	*****							50	13.90	33.630	*****	25.17	280	281	.1769
75	13.61	33.860	*****							75	13.61	33.860	*****	25.41	258	259	.2446
90	13.56	33.890	*****														

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-00.0. N, 126-12.0. E, JUN.14.1981, 06.30 KST, DEPTH 110 , COLOR 3, TRANS. 15.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1004. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.41	32.610	*****							0	18.41	32.610	*****	23.37	452	452	.0000
10	18.42	32.610	*****							10	18.42	32.610	*****	23.36	453	452	.0453
20	17.39	33.050	*****							20	17.39	33.050	*****	23.95	397	397	.0878
30	16.68	33.270	*****							30	16.68	33.270	*****	24.28	365	365	.1260
50	13.18	33.280	*****							50	13.18	33.280	*****	25.05	292	293	.1919
75	12.17	33.330	*****							75	12.17	33.330	*****	25.28	270	271	.2625
100	13.75	34.040	*****							100	13.75	34.040	*****	25.52	247	250	.3277

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-00.0. N, 125-54.0. E, JUN.14.1981, 03.40 KST, DEPTH 90 , COLOR 4, TRANS. 12.0,
WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1004. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.86	32.550	*****							0	18.86	32.550	*****	23.21	467	467	.0000
10	18.88	32.580	*****							10	18.88	32.580	*****	23.23	466	466	.0467
20	16.70	32.570	*****							20	16.70	32.570	*****	23.74	416	417	.0908
30	13.67	32.810	*****							30	13.67	32.810	*****	24.59	336	336	.1285
50	11.79	32.920	*****							50	11.79	32.920	*****	25.04	293	294	.1917

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	12.18	33.710	*****							75	12.18	33.710	*****	25.57	242	243	.2589
87	12.30	33.740	*****														

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-00.0. N, 125-36.0. E, JUN.14.1981, 02.00 KST, DEPTH 90 , COLOR 4, TRANS. 12.0,
WAVE NW 3, SWELL NW 1, WIND NE 4, BARO 1003. , AIR TEMP. DRY 16.9, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	19.06	32.130	*****							0	19.06	32.130	*****	22.64	503	502	.0000
10	16.75	32.380	*****							10	16.75	32.380	*****	23.59	431	431	.0467
20	11.48	32.430	*****							20	11.48	32.430	*****	24.71	324	324	.0845
30	11.34	33.050	*****							30	11.34	33.050	*****	25.22	276	276	.1146
50	12.80	33.790	*****							50	12.80	33.790	*****	25.52	247	248	.1671
75	12.82	33.800	*****							75	12.82	33.800	*****	25.52	247	249	.2294
87	12.86	33.760	*****														

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-00.0. N, 125-18.0. E, JUN.14.1981, 01.10 KST, DEPTH 80 , COLOR 3, TRANS. 11.0,
WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1002. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.78	32.180	*****							0	18.78	32.180	*****	22.95	492	492	.0000
10	14.74	32.410	*****							10	14.74	32.410	*****	24.05	387	386	.0440
20	12.39	32.850	*****							20	12.39	32.850	*****	24.87	309	309	.0788
30	12.72	33.730	*****							30	12.72	33.730	*****	25.48	250	251	.1069
50	12.74	33.760	*****							50	12.74	33.760	*****	25.50	249	249	.1570
75	12.70	33.770	*****							75	12.70	33.770	*****	25.52	247	249	.2193

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-00.0. N, 125-00.0. E, JUN.13.1981, 23.30 KST, DEPTH 75 , COLOR 3, TRANS. 10.0,
WAVE NE 1, SWELL NE 2, WIND NE 2, BARO 1002. , AIR TEMP. DRY 18.7, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.49	32.240	*****							0	18.49	32.240	*****	23.06	481	481	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.06	32.230	*****							10	18.06	32.230	*****	23.16	472	472	.0477
20	13.25	32.480	*****							20	13.25	32.480	*****	24.42	352	352	.0889
30	11.40	32.540	*****							30	11.40	32.540	*****	24.81	314	315	.1223
50	12.40	33.610	*****							50	12.40	33.610	*****	25.45	253	254	.1793
72	12.37	33.600	*****														

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KOREA ,TAE BAEK SAN , STATION 314-00 , 33-00.0. N, 128-00.0. E, AUG.18.1981, 16.30 KST, DEPTH 160 , COLOR , TRANS. . ,
WAVE S 2, SWELL S 2, WIND S 6, BARO 998. , AIR TEMP. DRY 28.3, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	28.30	31.950	*****	0	28.30	31.950	*****	20.03	772	772	.0000
10	28.60	31.910	*****	10	28.60	31.910	*****	19.90	784	784	.0778
20	28.63	32.890	*****	20	28.63	32.890	*****	20.63	715	715	.1528
30	28.24	33.610	*****	30	28.24	33.610	*****	21.29	651	651	.2212
50	26.40	34.070	*****	50	26.40	34.070	*****	22.23	561	562	.3426
75	22.69	34.360	*****	75	22.69	34.360	*****	23.56	434	436	.4675
100	20.92	34.570	*****	100	20.92	34.570	*****	24.21	372	375	.5690
125	19.67	34.640	*****	125	19.67	34.640	*****	24.59	335	339	.6584
150	18.83	34.710	*****	150	18.83	34.710	*****	24.86	310	314	.7401

KOREA ,TAE BAEK SAN , STATION 314-01 , 33-00.0. N, 127-42.0. E, AUG.18.1981, 14.50 KST, DEPTH 140 , COLOR 3, TRANS. 16.0,
WAVE S 2, SWELL S 2, WIND S 6, BARO 998. , AIR TEMP. DRY 29.0, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	28.49	31.750	*****	0	28.49	31.750	*****	19.82	792	792	.0000
10	28.49	31.780	*****	10	28.49	31.780	*****	19.84	790	790	.0791

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
20	28.50	32.710	*****							20	28.50	32.710	*****	20.53	723	724	.1549
30	28.48	32.730	*****							30	28.48	32.730	*****	20.56	721	722	.2272
50	23.66	34.320	*****							50	23.66	34.320	*****	23.25	463	465	.3460
75	23.46	34.320	*****							75	23.46	34.320	*****	23.31	458	460	.4617
100	21.17	34.310	*****							100	21.17	34.310	*****	23.94	397	400	.5694
125	19.91	34.510	*****							125	19.91	34.510	*****	24.43	351	354	.6638
135	19.01	34.450	*****														

KOREA ,TAE BAEK SAN , STATION 314-02 , 33-00.0. N, 127-24.0. E, AUG.18.1981, 15.20 KST, DEPTH 125 , COLOR 3, TRANS. 17.0.

WAVE , SWELL , WIND S 6, BARO 999. , AIR TEMP. DRY 28.9, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	28.73	31.970	*****							0	28.73	31.970	*****	19.90	784	784	.0000
10	23.47	31.840	*****							10	23.47	31.840	*****	21.43	637	637	.0711
20	28.17	32.870	*****							20	28.17	32.870	*****	20.76	702	702	.1381
30	19.11	32.880	*****							30	19.11	32.880	*****	23.40	449	450	.1957
50	18.86	33.180	*****							50	18.86	33.180	*****	23.69	421	423	.2831
75	18.03	34.400	*****							75	18.03	34.400	*****	24.82	313	315	.3755
100	17.40	34.580	*****							100	17.40	34.580	*****	25.12	285	288	.4510
120	16.16	34.330	*****														

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-00.0. N, 127-06.0. E, AUG.18.1981, 11.30 KST, DEPTH 110 , COLOR , TRANS. . ,

WAVE S 2, SWELL S 2, WIND S 6, BARO 999. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	28.35	31.910	*****							0	28.35	31.910	*****	19.98	776	776	.0000
10	28.35	31.870	*****							10	28.35	31.870	*****	19.95	779	779	.0778
20	28.36	32.860	*****							20	28.36	32.860	*****	20.69	708	709	.1522
30	19.71	33.460	*****							30	19.71	33.460	*****	23.63	422	422	.2088

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	18.86	33.710	*****							50	18.86	33.710	*****	24.09	383	384	.2896
75	16.09	33.820	*****							75	16.09	33.820	*****	24.84	312	314	.3769
100	15.93	******	*****							100	15.93	******	*****	*****	***	***	******

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-00.0. N, 126-48.0. E. AUG.18.1981, 09.50 KST, DEPTH 100 , COLOR 3, TRANS. 17.0,
WAVE S 2, SWELL S 2, WIND S 6, BARO 1000. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	28.40	31.910	*****							0	28.40	31.910	*****	19.97	778	778	.0000
10	28.65	31.930	*****							10	28.65	31.930	*****	19.90	784	784	.0781
20	28.49	33.020	*****							20	28.49	33.020	*****	20.77	701	701	.1525
30	18.90	33.080	*****							30	18.90	33.080	*****	23.60	430	430	.2091
50	15.51	33.230	*****							50	15.51	33.230	*****	24.52	342	343	.2866
75	14.72	33.420	*****							75	14.72	33.420	*****	24.84	312	314	.3688
95	14.82	34.020	*****														

KOREA ,TAE BAEK SAN , STATION 314-05 , 33-00.0. N, 126-30.0. E. AUG.18.1981, 08.10 KST, DEPTH 100 , COLOR 3, TRANS. 11.0,
WAVE S 2, SWELL S 2, WIND S 6, BARO 1000. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	27.94	30.540	*****							0	27.94	30.540	*****	19.09	862	862	.0000
10	27.99	30.970	*****							10	27.99	30.970	*****	19.40	833	833	.0848
20	27.74	31.860	*****							20	27.74	31.860	*****	20.14	761	761	.1645
30	18.37	32.370	*****							30	18.37	32.370	*****	23.19	469	469	.2261
50	18.25	32.820	*****							50	18.25	32.820	*****	23.57	433	434	.3166
75	15.23	33.630	*****							75	15.23	33.630	*****	24.89	307	309	.4096
95	13.47	34.040	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-00.0. N, 126-12.0. E, AUG.18.1981, 06.30 KST, DEPTH 110 , COLOR 3, TRANS. 12.0,

WAVE S 2, SWELL S 2, WIND S 6, BARO 1000. , AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	27.96	30.380	*****							0	27.96	30.380	*****	18.97	874	874	.0000
10	28.08	30.760	*****							10	28.08	30.760	*****	19.21	851	851	.0853
20	20.22	31.560	*****							20	20.22	31.560	*****	22.11	572	573	.1575
30	17.88	31.950	*****							30	17.88	31.950	*****	22.99	488	489	.2106
50	15.89	32.430	*****							50	15.89	32.430	*****	23.82	409	410	.3006
75	15.67	32.930	*****							75	15.87	32.930	*****	24.21	372	374	.3986
100	14.48	33.420	*****							100	14.48	33.420	*****	24.89	307	310	.4862

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-00.0. N, 125-54.0. E, AUG.18.1981, 04.50 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 999. , AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.30	30.670	*****							0	27.30	30.670	*****	19.39	833	833	.0000
10	27.53	30.600	*****							10	27.53	30.600	*****	19.27	845	845	.0839
20	21.45	31.740	*****							20	21.45	31.740	*****	21.92	591	591	.1558
30	16.80	32.260	*****							30	16.80	32.260	*****	23.48	441	442	.2075
50	14.00	32.560	*****							50	14.00	32.560	*****	24.33	361	362	.2879
75	14.66	33.560	*****							75	14.66	33.560	*****	24.96	301	302	.3710
85	15.50	34.160	*****														

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-00.0. N, 125-36.0. E, AUG.18.1981, 03.10 KST, DEPTH 90 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1000. , AIR TEMP. DRY 27.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	28.00	30.460	*****							0	28.00	30.460	*****	19.01	870	869	.0000
10	27.85	30.350	*****							10	27.85	30.350	*****	18.98	873	873	.0872

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	27.87	30.590	*****							20	27.87	30.590	*****	19.15	856	857	.1737
30	17.75	31.880	*****							30	17.75	31.880	*****	22.97	490	491	.2411
50	14.59	33.300	*****							50	14.59	33.300	*****	24.77	318	319	.3222
75	13.51	33.330	*****							75	13.51	33.330	*****	25.02	295	296	.3993
85	13.90	33.960	*****														

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-00.0. N, 125-18.0. E, AUG.18.1981, 01.30 KST, DEPTH 80 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1000. , AIR TEMP. DRY 27.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	28.08	30.280	*****							0	28.08	30.280	*****	18.85	885	885	.0000
10	27.99	30.200	*****							10	27.99	30.209	*****	18.82	888	888	.0887
20	23.34	31.030	*****							20	23.34	31.030	*****	20.86	692	693	.1678
30	17.04	32.560	*****							30	17.04	32.560	*****	23.66	425	425	.2237
50	15.29	33.590	*****							50	15.29	33.590	*****	24.84	311	313	.2976
75	14.79	33.850	*****							75	14.79	33.860	*****	25.16	281	283	.3724

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-00.0. N, 125-00.0. E, AUG.17.1981, 23.50 KST, DEPTH 75 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1000. , AIR TEMP. DRY 27.9, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	28.07	30.280	*****							0	28.07	30.280	*****	18.85	885	885	.0000
10	28.09	30.260	*****							10	28.09	30.260	*****	18.83	887	887	.0886
20	17.94	31.420	*****							20	17.94	31.420	*****	22.57	528	528	.1594
30	14.49	32.330	*****							30	14.49	32.330	*****	24.05	387	388	.2053
50	12.54	33.150	*****							50	12.54	33.150	*****	25.07	290	291	.2732
70	12.46	33.370	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월 (October)

KOREA ,JI PI SAN , STATION 314-00 , 33-00.0. N, 128-00.0. E, OCT.15,1981, 22.40 KST, DEPTH 160 , COLOR 4, TRANS. 15.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1019. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE AC, AMT 4, WEATHER RC,

0	23.74	33.970	*****	0	23.74	33.970	*****	22.96	491	491	.0000
10	23.69	33.950	*****	10	23.69	33.950	*****	22.90	497	497	.0494
20	23.94	33.940	*****	20	23.94	33.940	*****	22.88	499	499	.0993
30	23.77	33.940	*****	30	23.77	33.940	*****	22.93	494	495	.1490
50	23.47	33.940	*****	50	23.47	33.940	*****	23.02	486	487	.2473
75	23.56	33.950	*****	75	23.56	33.950	*****	23.00	487	490	.3694
100	20.94	34.290	*****	100	20.94	34.290	*****	23.99	393	396	.4802
125	18.00	34.420	*****	125	18.00	34.420	*****	24.85	311	314	.5691
150	16.56	34.650	*****	150	16.56	34.650	*****	25.37	261	266	.6417

KOREA ,JI PI SAN , STATION 314-01 , 33-00.0. N, 127-42.0. E, OCT.16,1981, 00.30 KST, DEPTH 140 , COLOR 4, TRANS. 14.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1019. , AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE AC, AMT 4, WEATHER RC,

0	24.12	34.080	*****	0	24.12	34.080	*****	22.93	494	493	.0000
10	24.26	34.040	*****	10	24.26	34.040	*****	22.86	501	501	.0498
20	24.30	34.040	*****	20	24.30	34.040	*****	22.85	502	502	.0999
30	24.29	34.050	*****	30	24.29	34.050	*****	22.86	501	501	.1502
50	24.27	34.040	*****	50	24.27	34.040	*****	22.86	501	502	.2506
75	24.23	34.030	*****	75	24.23	34.030	*****	22.86	500	503	.3763
100	23.71	34.240	*****	100	23.71	34.240	*****	23.17	471	474	.4985
125	19.46	34.490	*****	125	19.46	34.490	*****	24.53	341	345	.6009
135	18.11	34.610	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,JI PI SAN , STATION 314-02 , 33-00.0. N, 127-24.0. E, OCT.16.1981, 02.20 KST, DEPTH 125 , COLOR 4, TRANS. 13.0,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1019. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,																	
0	24.48	34.020	*****							0	24.48	34.020	*****	22.78	508	508	.0000
10	24.00	34.000	*****							10	24.00	34.000	*****	22.91	496	496	.0503
20	24.08	34.010	*****							20	24.08	34.010	*****	22.89	498	498	.1000
30	24.11	34.000	*****							30	24.11	34.000	*****	22.87	499	500	.1500
50	24.14	34.000	*****							50	24.14	34.000	*****	22.87	500	501	.2502
75	24.05	33.990	*****							75	24.05	33.990	*****	22.88	498	500	.3755
100	23.39	34.610	*****							100	23.39	34.610	*****	23.55	435	438	.4930
120	18.49	34.110	*****														
KOREA ,JI PI SAN , STATION 314-03 , 33-00.0. N, 127-06.0. E, OCT.16.1981, 04.10 KST, DEPTH 110 , COLOR 4, TRANS. 14.0,																	
WAVE 1, SWELL 1, WIND SE 2, BARO 1019. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,																	
0	24.12	34.110	*****							0	24.12	34.110	*****	22.95	492	491	.0000
10	24.15	34.060	*****							10	24.15	34.060	*****	22.91	496	496	.0494
20	24.20	33.990	*****							20	24.20	33.990	*****	22.84	502	503	.0994
30	24.19	34.030	*****							30	24.19	34.030	*****	22.87	499	500	.1496
50	23.22	34.030	*****							50	23.22	34.030	*****	23.16	472	474	.2471
75	20.28	34.440	*****							75	20.28	34.440	*****	24.28	365	367	.3523
100	17.74	34.620	*****							100	17.74	34.620	*****	25.06	290	293	.4349

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI PI SAN , STATION 314-04 , 33-00.0. N, 125-48.0. E, OCT.16.1981, 05.55 KST, DEPTH 100 , COLOR 4, TRANS. 13.0,

WAVE 1, SWELL 1, WIND SE 2, BARO 1019. , AIR TEMP. DRY 19.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	24.14	33.970	*****							0	24.14	33.970	*****	22.64	502	502	.0000
10	24.28	33.950	*****							10	24.28	33.950	*****	22.79	508	508	.0505
20	24.28	33.960	*****							20	24.28	33.960	*****	22.79	507	507	.1013
30	24.04	34.020	*****							30	24.04	34.020	*****	22.91	496	496	.1516
50	23.19	34.040	*****							50	23.19	34.040	*****	23.17	471	472	.2485
75	18.82	34.640	*****							75	18.82	34.640	*****	24.81	314	317	.3472
95	16.79	34.660	*****														

KOREA ,JI PI SAN , STATION 314-05 , 33-00.0. N, 126-30.0. E, OCT.16.1981, 07.40 KST, DEPTH 100 , COLOR 3, TRANS. 18.0,

WAVE 1, SWELL 1, WIND SE 3, BARO 1019. , AIR TEMP. DRY 18.6, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	22.55	34.030	*****							0	22.55	34.030	*****	23.35	454	454	.0000
10	22.49	33.990	*****							10	22.49	33.990	*****	23.33	455	455	.0455
20	22.54	34.000	*****							20	22.54	34.000	*****	23.33	456	456	.0911
30	22.61	34.010	*****							30	22.61	34.010	*****	23.32	457	458	.1369
50	20.54	34.260	*****							50	20.54	34.260	*****	24.03	385	386	.2213
75	19.33	34.540	*****							75	19.33	34.540	*****	24.60	334	336	.3117
95	16.69	34.620	*****														

KOREA ,JI PI SAN , STATION 314-06 , 33-00.0. N, 126-12.0. E, OCT.16.1981, 09.25 KST, DEPTH 110 , COLOR 4, TRANS. 13.0,

WAVE 2, SWELL 2, WIND NW 5, BARO 1019. , AIR TEMP. DRY 23.9, WET . , CLOUD. TYPE AC, AMT 1, WEATHER B ,

0	22.36	34.040	*****							0	22.36	34.040	*****	23.41	448	448	.0000
10	22.38	34.030	*****							10	22.38	34.030	*****	23.40	449	449	.0449

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	22.34	34.020	*****							20	22.34	34.020	*****	23.40	449	449	.0899
30	22.38	34.020	*****							30	22.38	34.020	*****	23.39	450	451	.1350
50	21.77	34.090	*****							50	21.77	34.090	*****	23.61	429	430	.2231
75	21.14	34.150	*****							75	21.14	34.150	*****	23.83	408	410	.3283
100	19.82	34.300	*****							100	19.82	34.300	*****	24.30	364	366	.4255

KOREA ,JI PI SAN , STATION 314-07 , 33-00.0. N, 125-54.0. E, OCT.16.1981, 11.10 KST, DEPTH 90 , COLOR 3, TRANS. 11.0,

WAVE 2, SWELL 2, WIND NW 4, BARO 1019. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	23.43	33.960	*****							0	23.43	33.960	*****	23.04	483	483	.0000
10	23.30	33.960	*****							10	23.30	33.960	*****	23.08	479	480	.0482
20	23.42	33.960	*****							20	23.42	33.960	*****	23.05	483	483	.0963
30	23.43	34.020	*****							30	23.43	34.020	*****	23.09	479	479	.1445
50	23.31	33.960	*****							50	23.31	33.960	*****	23.08	480	481	.2407
75	18.10	34.410	*****							75	18.10	34.410	*****	24.82	314	316	.5404
85	16.90	34.550	*****														

KOREA ,JI PI SAN , STATION 314-08 , 33-00.0. N, 125-36.0. E, OCT.16.1991, 12.55 KST, DEPTH 90 , COLOR 4, TRANS. 14.0,

WAVE 1, SWELL 1, WIND NW 3, BARO 1019. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	22.72	33.990	*****							0	22.72	33.990	*****	23.27	461	461	.0000
10	22.70	33.970	*****							10	22.70	33.970	*****	23.26	462	462	.0462
20	22.61	33.970	*****							20	22.61	33.970	*****	23.29	460	460	.0924
30	22.66	33.980	*****							30	22.66	33.980	*****	23.28	461	461	.1385
50	22.66	33.950	*****							50	22.66	33.950	*****	23.26	463	464	.2312
75	20.48	34.260	*****							75	20.48	34.260	*****	24.09	383	385	.3374
85	17.10	34.270	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 314-09 , 33-00.0. N, 125-18.0. E, OCT.16.1981, 14.40 KST, DEPTH 80 , COLOR 7, TRANS. 15.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1019. , AIR TEMP. DRY 21.4, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	21.67	33.430	*****						0	21.67	33.430	*****	23.14	474	474	.0000
10	21.44	33.350	*****						10	21.44	33.350	*****	23.14	474	474	.0474
20	21.80	33.540	*****						20	21.80	33.540	*****	23.19	469	470	.0946
30	21.93	33.600	*****						30	21.93	33.600	*****	23.20	468	469	.1416
50	21.97	33.670	*****						50	21.97	33.670	*****	23.24	464	466	.2352
75	16.20	34.010	*****						75	16.20	34.010	*****	24.96	300	302	.3313

KOREA ,JI RI SAN , STATION 314-10 , 33-00.0. N, 125-00.0. E, OCT.16.1981, 16.25 KST, DEPTH 75 , COLOR 6, TRANS. 11.0,

WAVE 1, SWELL 1, WIND NE 1, BARO 1018.5, AIR TEMP. DRY 20.4, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	21.15	33.300	*****						0	21.15	33.300	*****	23.18	470	469	.0000
10	21.17	33.290	*****						10	21.17	33.290	*****	23.17	471	471	.0471
20	21.46	33.470	*****						20	21.46	33.470	*****	23.23	466	466	.0940
30	17.73	33.810	*****						30	17.73	33.810	*****	24.45	349	350	.1348
50	15.84	33.740	*****						50	15.84	33.740	*****	24.84	312	313	.2012
70	15.03	33.750	*****													

12월 (December)

KOREA ,TAE BAEK SAN , STATION 314-00 , 33-00.0. N, 128-00.0. E, DEC.11.1981, 21.30 KST, DEPTH 160 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.37	34.350	*****						0	18.37	34.350	*****	24.70	325	324	.0000
10	18.44	34.340	*****						10	18.44	34.340	*****	24.68	327	327	.0326

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	18.79	34.350	*****							20	18.79	34.350	*****	24.60	335	335	.0658
30	18.34	34.340	*****							30	18.34	34.340	*****	24.70	325	325	.0989
50	18.42	34.370	*****							50	18.42	34.370	*****	24.71	325	326	.1661
75	18.51	34.340	*****							75	18.51	34.340	*****	24.66	329	331	.2463
100	18.50	34.340	*****							100	18.50	34.340	*****	24.66	329	331	.3292
125	18.50	34.350	*****							125	18.50	34.350	*****	24.67	328	331	.4122
150	18.44	34.360	*****							150	18.44	34.340	*****	24.68	327	331	.4951

KOREA , TAE EAEK SAN , STATION 314-01 , 33-00.0. N, 127-42.0. E, DEC.11.1981, 23.30 KST, DEPTH 140 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1017. , AIR TEMP. DRY 10.6. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.65	34.440	*****	0	18.65	34.440 *****	24.70 325 325 .0000
10	18.80	34.430	*****	10	18.80	34.430 *****	24.66 329 329 .0327
20	18.77	34.430	*****	20	18.77	34.430 *****	24.66 329 329 .0657
30	18.85	34.410	*****	30	18.85	34.410 *****	24.63 332 333 .0988
50	18.86	34.420	*****	50	18.86	34.420 *****	24.63 331 333 .1654
75	18.90	34.430	*****	75	18.90	34.430 *****	24.63 332 334 .2488
100	18.90	34.450	*****	100	18.90	34.450 *****	24.65 330 333 .3323
125	18.82	34.430	*****	125	18.82	34.430 *****	24.65 330 333 .4157
135	18.75	34.410	*****				

KOREA , TAE EAEK SAN , STATION 314-02 , 33-00.0. N, 127-24.0. E, DEC.12.1981, 01.20 KST, DEPTH 103 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 11.2. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.30	34.400	*****	0	18.30	34.400 *****	24.76 319 319 .0000
10	18.70	34.400	*****	10	18.70	34.400 *****	24.66 329 329 .0325
20	18.78	34.410	*****	20	18.78	34.410 *****	24.65 330 331 .0655

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY
30	18.82	34.420	*****							30	18.82	34.420	*****	24.64	330	331	.0986
50	18.81	34.400	*****							50	18.81	34.400	*****	24.63	332	333	.1651
75	18.80	34.420	*****							75	18.80	34.420	*****	24.65	330	332	.2483
100	18.84	34.440	*****							100	18.84	34.440	*****	24.65	329	332	.3315

KOREA ,TAE BAEK SAN , STATION 314-03 , 33-00.0. N, 127-06.0. E, DEC.12.1981, 03.00 KST, DEPTH 107 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.51	34.360 *****	0	18.51	34.360 *****	24.68	327	327	.0000
10	18.55	34.350 *****	10	18.55	34.350 *****	24.66	329	329	.0329
20	18.58	34.350 *****	20	18.58	34.350 *****	24.65	330	330	.0659
30	18.61	34.350 *****	30	18.61	34.350 *****	24.64	330	331	.0990
50	18.59	34.360 *****	50	18.59	34.360 *****	24.66	329	331	.1652
75	18.60	34.330 *****	75	18.60	34.330 *****	24.63	332	334	.2484
100	18.62	34.340 *****	100	18.62	34.340 *****	24.63	331	334	.3320

KOREA ,TAE BAEK SAN , STATION 314-04 , 33-00.0. N, 126-48.0. E, DEC.12.1981, 04.45 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 11.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.30	34.270 *****	0	17.30	34.270 *****	24.90	306	305	.0000
10	17.60	34.320 *****	10	17.60	34.320 *****	24.87	309	309	.0308
20	18.08	34.270 *****	20	18.08	34.270 *****	24.71	324	324	.0625
30	18.10	34.260 *****	30	18.10	34.260 *****	24.70	325	326	.0950
50	18.10	34.260 *****	50	18.10	34.260 *****	24.70	325	326	.1603
75	17.99	34.270 *****	75	17.99	34.270 *****	24.74	322	324	.2416
95	17.60	34.230 *****							

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-05 , 33-00.0. N, 126-30.0. E, DEC.12.1981, 06.30 KST, DEPTH 100 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1021. , AIR TEMP. DRY 12.4. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.27	34.240	*****	0	17.27	34.240	*****	24.89	307	307	.0000
10	17.29	34.250	*****	10	17.29	34.250	*****	24.89	307	307	.0307
20	17.28	34.280	*****	20	17.28	34.280	*****	24.91	305	305	.0614
30	17.27	34.310	*****	30	17.27	34.310	*****	24.94	302	303	.0918
50	17.25	34.420	*****	50	17.25	34.420	*****	25.03	294	295	.1517
75	17.21	34.540	*****	75	17.21	34.540	*****	25.13	284	286	.2244
95	17.20	34.540	*****								

KOREA ,TAE BAEK SAN , STATION 314-06 , 33-00.0. N, 126-12.0. E, DEC.12.1981, 08.15 KST, DEPTH 110 , COLOR 4, TRANS. 13.0,

WAVE NW 2, SWELL NW 2, WIND NW 5, BARO 1020. , AIR TEMP. DRY 12.4. WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	17.12	34.250	*****	0	17.12	34.250	*****	24.93	303	303	.0000
10	17.17	34.260	*****	10	17.17	34.260	*****	24.93	304	304	.0304
20	17.19	34.270	*****	20	17.19	34.270	*****	24.93	303	304	.0608
30	17.20	34.270	*****	30	17.20	34.270	*****	24.93	303	304	.0912
50	17.23	34.310	*****	50	17.23	34.310	*****	24.95	301	302	.1520
75	17.18	34.380	*****	75	17.18	34.380	*****	25.02	295	297	.2270
100	16.85	34.470	*****	100	16.85	34.470	*****	25.16	281	284	.2997

KOREA ,TAE BAEK SAN , STATION 314-07 , 33-00.0. N, 125-54.0. E, DEC.12.1981, 10.00 KST, DEPTH 90 , COLOR 3, TRANS. 11.0,

WAVE NW 2, SWELL NW 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 12.4. WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	17.04	34.360	*****	0	17.04	34.360	*****	25.03	293	293	.0000
10	17.14	34.270	*****	10	17.14	34.270	*****	24.94	302	302	.0298

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	17.10	34.260	*****							20	17.10	34.260	*****	24.94	302	302	.0601
30	17.05	34.300	*****							30	17.05	34.300	*****	24.98	298	299	.0902
50	17.08	34.290	*****							50	17.08	34.290	*****	24.97	299	301	.1502
75	17.01	34.330	*****							75	17.01	34.330	*****	25.02	295	297	.2249
85	16.65	******	*****														

KOREA ,TAE BAEK SAN , STATION 314-08 , 33-00.0. N, 125-36.0. E, DEC.12.1981, 11.40 KST, DEPTH 90 , COLOR 4, TRANS. 13.0,
WAVE NW 2, SWELL NW 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	17.00	34.280	*****							0	17.00	34.280	*****	24.98	298	298	.0000
10	17.03	34.290	*****							10	17.03	34.290	*****	24.98	298	298	.0299
20	17.06	34.280	*****							20	17.06	34.280	*****	24.97	300	300	.0598
30	17.06	34.280	*****							30	17.06	34.280	*****	24.97	300	300	.0899
50	17.10	34.270	*****							50	17.10	34.270	*****	24.95	301	302	.1502
75	17.03	34.300	*****							75	17.03	34.300	*****	24.99	297	299	.2256
85	16.97	34.360	*****														

KOREA ,TAE BAEK SAN , STATION 314-09 , 33-00.0. N, 125-18.0. E, DEC.12.1981, 13.20 KST, DEPTH 80 , COLOR 4, TRANS. 10.0,
WAVE NW 2, SWELL NW 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	16.36	34.390	*****							0	16.36	34.390	*****	25.22	276	276	.0000
10	16.54	34.370	*****							10	16.54	34.370	*****	25.16	281	281	.0279
20	16.62	34.370	*****							20	16.62	34.370	*****	25.14	283	283	.0562
30	16.68	34.370	*****							30	16.68	34.370	*****	25.13	285	285	.0847
50	16.71	34.360	*****							50	16.71	34.360	*****	25.11	286	287	.1420
75	15.77	34.370	*****							75	15.77	34.370	*****	25.33	265	266	.2113

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 314-10 , 33-00.0. N, 125-00.0. E, DEC.12,1981, 15.00 KST, DEPTH 75 , COLOR 4, TRANS. 11.0,

WAVE NW 2, SWELL NW 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE CU, AMT 4, WEATHER BC,

0	16.53	34.350	*****	0	16.53	34.350	*****	25.15	283	282	.0000
10	16.89	34.390	*****	10	16.89	34.390	*****	25.09	288	288	.0286
20	16.92	34.340	*****	20	16.92	34.340	*****	25.05	292	292	.0576
30	16.87	34.380	*****	30	16.87	34.380	*****	25.09	288	289	.0867
50	16.90	34.350	*****	50	16.90	34.350	*****	25.06	291	292	.1449
70	16.91	34.350	*****								

서 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA: WESTERN WATERS

1 9 8 1

307선 해양관측 성적

Oceanographic Data. Line 307

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,HAN RA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, FEB.14.1981, 19.05 KST, DEPTH 40 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1021.5, AIR TEMP. DRY 4.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	2.80	31.690	*****	0	2.80	31.690	*****	25.29	269	269	.0000
10	2.55	31.820	*****	10	2.55	31.820	*****	25.41	257	257	.0264
20	2.51	31.890	*****	20	2.51	31.890	*****	25.47	252	252	.0518
35	2.40	31.940	*****	30	2.44	31.923	*****	25.50	249	249	.0769

KOREA ,HAN RA SAN , STATION 307-04 , 36-55.5. N, 125-37.7. E, FEB.14.1981, 21.50 KST, DEPTH 36 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1021. , AIR TEMP. DRY 5.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	2.80	31.910	*****	0	2.80	31.910	*****	25.46	253	252	.0000
10	2.81	31.940	*****	10	2.81	31.940	*****	25.49	250	250	.0252
20	2.78	31.910	*****	20	2.78	31.910	*****	25.46	252	252	.0503
33	2.72	31.920	*****	30	2.73	31.918	*****	25.47	251	251	.0755

KOREA ,HAN RA SAN , STATION 307-05 , 36-55.5. N, 125-25.0. E, FEB.14.1981, 23.30 KST, DEPTH 56 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND W 2, BARO 1021.3, AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	3.50	32.000	*****	0	3.50	32.000	*****	25.47	251	251	.0000
10	3.33	32.070	*****	10	3.33	32.070	*****	25.54	245	244	.0248
20	3.32	32.090	*****	20	3.32	32.090	*****	25.56	243	243	.0492
30	3.40	32.140	*****	30	3.40	32.140	*****	25.59	240	240	.0734
52	3.28	32.140	*****	50	3.29	32.140	*****	25.60	239	239	.1214

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-06 , 36-55.5. N, 125-12.5. E, FEB.15,1981, 01.15 KST, DEPTH 63 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND SW 2, BARO 1021.5, AIR TEMP. DRY 5.8, WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	3.87	32.180	*****	0	3.87	32.180	*****	25.58	241	241	.0000
10	3.55	32.160	*****	10	3.55	32.160	*****	25.60	240	240	.0241
20	3.68	32.180	*****	20	3.68	32.180	*****	25.60	239	239	.0481
30	3.54	32.160	*****	30	3.54	32.160	*****	25.60	240	240	.0720
50	3.62	32.200	*****	50	3.62	32.200	*****	25.62	237	237	.1198
60	3.83	32.160	*****								

KOREA ,HAN RA SAN , STATION 307-07 , 36-55.5. N, 125-00.0. E, FEB.15,1981, 03.00 KST, DEPTH 57 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SW 3, BARO 1021.1, AIR TEMP. DRY 5.5, WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	3.91	32.200	*****	0	3.91	32.200	*****	25.59	240	240	.0000
10	4.00	32.210	*****	10	4.00	32.210	*****	25.59	240	240	.0240
20	3.61	32.200	*****	20	3.61	32.200	*****	25.62	237	237	.0479
30	3.50	32.200	*****	30	3.50	32.200	*****	25.63	236	236	.0716
55	3.60	32.160	*****	50	3.58	32.168	*****	25.60	239	239	.1193

KOREA ,HAN RA SAN , STATION 307-08 , 36-55.5. N, 124-47.5. E, FEB.15,1981, 04.50 KST, DEPTH 61 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SW 3, BARO 1021.1, AIR TEMP. DRY 5.3, WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	4.72	32.320	*****	0	4.72	32.320	*****	25.61	239	238	.0000
10	4.60	32.340	*****	10	4.60	32.340	*****	25.64	236	236	.0238
20	4.32	32.340	*****	20	4.32	32.340	*****	25.66	233	233	.0473
30	4.35	32.340	*****	30	4.35	32.340	*****	25.66	234	234	.0706
50	4.39	32.360	*****	50	4.39	32.360	*****	25.67	232	233	.1173
55	4.50	32.380	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-09 , 36-55.5. N, 124-34.8. E, FEB.15.1981, 06.35 KST, DEPTH 69 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND SW 3, BARO 1021.1, AIR TEMP. DRY 4.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	5.10	32.390	*****	0	5.10	32.390	*****	25.62	237	237	.0000
10	5.20	32.410	*****	10	5.20	32.410	*****	25.63	237	237	.0237
20	4.93	32.390	*****	20	4.93	32.390	*****	25.64	236	236	.0474
30	4.80	32.380	*****	30	4.80	32.380	*****	25.65	235	235	.0710
50	4.92	32.390	*****	50	4.92	32.390	*****	25.64	236	236	.1182
65	4.94	32.390	*****								

KOREA ,HAN RA SAN , STATION 307-10 , 36-55.5. N, 124-22.3. E, FEB.15.1981, 08.25 KST, DEPTH 75 , COLOR 4, TRANS. 9.0,

WAVE 3, SWELL 2, WIND SE 3, BARO 1021.3, AIR TEMP. DRY 4.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	5.51	32.450	*****	0	5.51	32.450	*****	25.62	237	237	.0000
10	5.42	32.480	*****	10	5.42	32.480	*****	25.66	234	234	.0236
20	5.32	32.480	*****	20	5.32	32.480	*****	25.67	233	233	.0470
30	5.32	32.470	*****	30	5.32	32.470	*****	25.66	234	234	.0704
50	5.30	32.500	*****	50	5.30	32.500	*****	25.68	231	231	.1170
70	5.20	32.470	*****								

4 월 (April)

KOREA ,HAN RA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, APR.12.1981, 12.30 KST, DEPTH 38 , COLOR 7, TRANS. 1.0,

WAVE 2, SWELL 1, WIND NW 2, BARO 1016.2, AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	4.55	32.160	*****	0	4.55	32.160	*****	25.50	249	249	.0000
10	4.65	32.020	*****	10	4.65	32.020	*****	25.38	261	260	.0255

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	4.69	32.020	*****							20	4.69	32.020	*****	25.37	261	261	.0516
35	4.05	32.000	*****							30	4.26	32.007	*****	25.41	258	258	.0776

KOREA ,HAN PA SAN , STATION 307-04 , 36-55.5. N, 125-37.7. E, APR.12.1981, 15.15 KST, DEPTH 34 , COLOR 6, TRANS. 5.0,
WAVE 2, SWELL 1, WIND NW 2, BARO 1016.5, AIR TEMP. DRY 6.4, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	5.80	32.070	*****							0	5.80	32.070	*****	25.29	269	269	.0000
10	4.30	32.090	*****							10	4.30	32.090	*****	25.47	252	252	.0261
20	4.08	32.110	*****							20	4.08	32.110	*****	25.51	248	248	.0511
30	4.18	32.120	*****							30	4.18	32.120	*****	25.50	249	248	.0760

KOREA ,HAN PA SAN , STATION 307-05 , 36-55.5. N, 125-25.0. E, APR.12.1981, 16.55 KST, DEPTH 55 , COLOR 5, TRANS. 6.0,
WAVE 2, SWELL 1, WIND NW 2, BARO 1016. , AIR TEMP. DRY 7.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	6.20	32.050	*****							0	6.20	32.050	*****	25.22	275	275	.0000
10	6.18	32.030	*****							10	6.18	32.030	*****	25.21	276	276	.0276
20	4.42	32.090	*****							20	4.42	32.090	*****	25.46	253	253	.0541
30	4.02	32.210	*****							30	4.02	32.210	*****	25.59	240	240	.0788
50	4.00	32.250	*****							50	4.00	32.250	*****	25.62	237	237	.1266

KOREA ,HAN PA SAN , STATION 307-06 , 36-55.5. N, 125-12.5. E, APR.12.1981, 18.40 KST, DEPTH 62 , COLOR 4, TRANS. 6.0,
WAVE 3, SWELL 2, WIND NW 3, BARO 1016. , AIR TEMP. DRY 7.8, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	7.10	32.030	*****							0	7.10	32.030	*****	25.09	288	287	.0000
10	5.98	32.140	*****							10	5.98	32.140	*****	25.32	266	266	.0277
20	4.22	32.320	*****							20	4.22	32.320	*****	25.66	234	234	.0527

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	4.38	32.380	*****							30	4.38	32.380	*****	25.69	231	231	.0760
50	4.30	32.340	*****							50	4.30	32.340	*****	25.67	233	233	.1225
58	4.25	32.380	*****														

KOREA ,HAN RA SAN , STATION 307-07 , 36-55.5. N, 125-00.0. E, APR.12.1981, 20.20 KST, DEPTH 60 , COLOR , TRANS. . .
WAVE 4, SWELL 2, WIND NW 4, BARO 1017.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.10	32.200	*****							0	7.10	32.200	*****	25.23	275	275	.0000
10	6.58	32.200	*****							10	6.58	32.200	*****	25.29	269	268	.0272
20	5.12	32.470	*****							20	5.12	32.470	*****	25.68	232	232	.0523
30	5.10	32.480	*****							30	5.10	32.480	*****	25.69	231	231	.0754
55	5.28	32.500	*****							50	5.24	32.496	*****	25.69	231	231	.1217

KOREA ,HAN RA SAN , STATION 307-08 , 36-55.5. N, 124-47.5. E, APR.12.1981, 22.05 KST, DEPTH 63 , COLOR , TRANS. . .
WAVE 4, SWELL 2, WIND NW 4, BARO 1018.5, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.51	32.380	*****							0	7.51	32.380	*****	25.31	267	267	.0000
10	7.30	32.360	*****							10	7.30	32.360	*****	25.32	266	266	.0267
20	6.45	32.570	*****							20	6.45	32.570	*****	25.60	239	239	.0519
30	5.42	32.590	*****							30	5.42	32.590	*****	25.74	226	226	.0752
50	5.30	32.590	*****							50	5.30	32.590	*****	25.76	225	225	.1204
60	5.30	32.610	*****														

KOREA ,HAN RA SAN , STATION 307-09 , 36-55.5. N, 124-34.8. E, APR.12.1981, 23.50 KST, DEPTH 58 , COLOR , TRANS. . .
WAVE 4, SWELL 2, WIND NW 4, BARO 1019.5, AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.50	32.560	*****							0	8.50	32.560	*****	25.31	267	267	.0000
10	7.15	32.560	*****							10	7.15	32.560	*****	25.50	249	249	.0258

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	6.70	32.570	*****							20	6.70	32.570	*****	25.57	242	242	.0504
30	5.80	32.680	*****							30	5.80	32.680	*****	25.77	223	223	.0738
50	5.75	32.740	*****							50	5.75	32.740	*****	25.82	218	219	.1181
55	5.80	32.720	*****														

KOREA ,HAN RA SAN , STATION 307-10 , 36-55.5. N, 124-22.3. E, APR.13.1981, 01.40 KST, DEPTH 76 , COLOR , TRANS. . .
WAVE 4, SWELL 2, WIND NW 4, BARO 1019.3, AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.40	32.680	*****							0	8.40	32.680	*****	25.42	257	257	.0000
10	7.75	32.650	*****							10	7.75	32.650	*****	25.49	250	250	.0254
20	6.30	32.680	*****							20	6.30	32.680	*****	25.71	229	229	.0494
30	6.00	32.740	*****							30	6.00	32.740	*****	25.79	221	221	.0719
50	5.85	32.760	*****							50	5.85	32.760	*****	25.83	218	218	.1160
73	5.68	32.740	*****														

6 월 (June)

KOREA ,HAN RA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, JUN. 4.1981, 10.15 KST, DEPTH 37 , COLOR 6, TRANS. 5.0.
WAVE 1, SWELL 1, WIND S 2, BARO 1016. , AIR TEMP. DRY 15.1, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	12.00	32.390	*****							0	12.00	32.390	*****	24.59	336	336	.0000
10	11.71	32.290	*****							10	11.71	32.290	*****	24.56	338	338	.0337
20	11.35	32.270	*****							20	11.35	32.270	*****	24.61	333	334	.0674
34	11.29	32.300	*****							30	11.31	32.291	*****	24.64	331	331	.1007

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-04 , 36-55.5. N, 125-37.7. E, JUN. 4,1981, 13.00 KST, DEPTH 35 , COLOR 5, TRANS. 7.0,

WAVE 1, SWELL 1, WIND SW 2, BARO 1014. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	13.85	32.340	*****							0	13.85	32.340	*****	24.19	374	374	.0000
10	12.59	32.360	*****							10	12.59	32.360	*****	24.45	349	349	.0362
20	10.02	32.380	*****							20	10.02	32.380	*****	24.93	303	303	.0688
30	9.99	32.320	*****							30	9.99	32.320	*****	24.89	307	308	.0994

KOREA ,HAN RA SAN , STATION 307-05 , 36-55.5. N, 125-25.0. E, JUN. 4,1981, 14.35 KST, DEPTH 53 , COLOR 4, TRANS. 8.0,

WAVE 2, SWELL 1, WIND SW 2, BARO 1013.5, AIR TEMP. DRY 18.6, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	14.80	32.480	*****							0	14.80	32.480	*****	24.10	383	382	.0000
10	10.61	32.520	*****							10	10.61	32.520	*****	24.94	303	302	.0343
20	9.33	32.500	*****							20	9.33	32.500	*****	25.13	284	284	.0637
30	9.01	32.520	*****							30	9.01	32.520	*****	25.20	278	278	.0918
50	8.78	32.520	*****							50	8.78	32.520	*****	25.23	274	275	.1471

KOREA ,HAN RA SAN , STATION 307-06 , 36-55.5. N, 125-12.5. E, JUN. 4,1981, 16.25 KST, DEPTH 63 , COLOR 4, TRANS. 7.0,

WAVE 2, SWELL 1, WIND SW 3, BARO 1013. , AIR TEMP. DRY 17.8, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,

0	14.56	32.570	*****							0	14.56	32.570	*****	24.22	371	371	.0000
10	11.35	32.590	*****							10	11.35	32.590	*****	24.86	310	310	.0341
20	7.45	32.630	*****							20	7.45	32.630	*****	25.51	247	247	.0620
30	6.49	32.630	*****							30	6.49	32.630	*****	25.64	235	235	.0862
50	6.71	32.610	*****							50	6.71	32.610	*****	25.60	239	240	.1338
60	6.59	32.740	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 307-07 , 36-55.5. N, 125-00.0. E, JUN. 4,1981, 18.10 KST, DEPTH 58 , COLOR 3, TRANS. 12.0,																	
WAVE 2, SWELL 1, WIND SW 3, BARO 1012. , AIR TEMP. DRY 17.6, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,																	
0	15.69	32.590	*****							0	15.69	32.590	*****	23.99	393	393	.0000
10	11.85	32.560	*****							10	11.85	32.560	*****	24.75	321	321	.0357
20	5.89	32.720	*****							20	5.89	32.720	*****	25.79	221	221	.0629
30	5.82	32.770	*****							30	5.82	32.770	*****	25.84	217	217	.0848
55	5.75	32.790	*****							50	5.76	32.786	*****	25.86	215	215	.1281
KOREA ,HAN RA SAN , STATION 307-08 , 36-55.5. N, 124-47.5. E, JUN. 4,1981, 20.00 KST, DEPTH 63 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 1, WIND SW 3, BARO 1013. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER BC,																	
0	15.91	32.660	*****							0	15.91	32.660	*****	23.99	393	392	.0000
10	15.00	32.660	*****							10	15.00	32.660	*****	24.19	374	373	.0383
20	5.62	32.680	*****							20	5.62	32.680	*****	25.79	221	221	.0681
30	5.42	32.700	*****							30	5.42	32.700	*****	25.83	218	218	.0901
50	5.31	32.680	*****							50	5.31	32.680	*****	25.83	218	218	.1338
60	5.49	32.700	*****														
KOREA ,HAN RA SAN , STATION 307-09 , 36-55.5. N, 124-34.8. E, JUN. 4,1981, 21.45 KST, DEPTH 68 , COLOR , TRANS. . ,																	
WAVE 2, SWELL 1, WIND SW 3, BARO 1014. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	15.89	32.720	*****							0	15.89	32.720	*****	24.04	388	387	.0000
10	14.95	32.720	*****							10	14.95	32.720	*****	24.25	368	368	.0378
20	7.28	32.700	*****							20	7.28	32.700	*****	25.59	240	240	.0683
30	5.52	32.790	*****							30	5.52	32.790	*****	25.89	212	212	.0909
50	5.51	32.790	*****							50	5.51	32.790	*****	25.89	212	212	.1334
65	5.59	32.850	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-10 , 36-55.5. N, 124-22.3. E, JUN. 4,1981, 23.35 KST, DEPTH 76 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND SW 3, BARO 1013.7, AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.81	32.760	*****	0	15.81	32.760	*****	24.09	383	383	.0000
10	14.79	32.740	*****	10	14.79	32.740	*****	24.30	363	363	.0374
20	10.10	32.850	*****	20	10.10	32.850	*****	25.28	270	270	.0691
30	5.71	32.830	*****	30	5.71	32.830	*****	25.90	211	211	.0932
50	5.75	32.860	*****	50	5.75	32.860	*****	25.92	209	210	.1353
73	5.71	32.850	*****								

8 월 (August)

KOREA ,HAN RA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, AUG. 6,1981, 08.25 KST, DEPTH 40 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SW 4, BARO 1005. , AIR TEMP. DRY 23.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	23.00	31.440	*****	0	23.00	31.440	*****	21.26	653	653	.0000
10	21.92	31.510	*****	10	21.92	31.510	*****	21.62	620	620	.0637
20	21.13	31.650	*****	20	21.13	31.650	*****	21.94	589	589	.1242
35	19.40	31.920	*****	30	19.98	31.830	*****	22.38	547	547	.1810

KOREA ,HAN RA SAN , STATION 307-04 , 36-55.5. N, 125-37.7. E, AUG. 6,1981, 11.05 KST, DEPTH 36 , COLOR , TRANS. . .

WAVE 4, SWELL 2, WIND SW 5, BARO 1005. , AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	22.87	31.440	*****	0	22.87	31.440	*****	21.30	650	650	.0000
10	22.05	31.710	*****	10	22.05	31.710	*****	21.73	608	608	.0630
20	19.98	32.210	*****	20	19.98	32.210	*****	22.67	519	520	.1194
30	16.40	32.520	*****	30	16.40	32.520	*****	23.77	413	414	.1661

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,HAN RA SAN , STATION 307-05 , 36-55.5. N, 125-25.0. E, AUG. 6,1981, 12.40 KST, DEPTH 55 , COLOR , TRANS. . ,

WAVE 4, SWELL 2, WIND SW 5, BARO 1005. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	24.18	32.070	*****							0	24.18	32.070	*****	21.40	641	640	.0000
10	22.41	32.110	*****							10	22.41	32.110	*****	21.94	589	589	.0615
20	21.22	32.090	*****							20	21.22	32.090	*****	22.25	559	560	.1190
30	18.71	32.360	*****							30	18.71	32.360	*****	23.10	478	478	.1709
50	16.40	32.570	*****							50	16.40	32.570	*****	23.81	410	411	.2599

KOREA ,HAN RA SAN , STATION 307-06 , 36-55.5. N, 125-12.5. E, AUG. 8,1981, 11.50 KST, DEPTH 60 , COLOR 5, TRANS. 9.0,

WAVE 3, SWELL 2, WIND SW 4, BARO 1004.5, AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	25.30	32.120	*****							0	25.30	32.120	*****	21.10	669	669	.0000
10	25.22	32.140	*****							10	25.22	32.140	*****	21.14	665	665	.0667
20	13.88	32.770	*****							20	13.88	32.770	*****	24.51	343	343	.1172
30	10.52	32.760	*****							30	10.52	32.760	*****	25.14	283	284	.1486
50	10.53	32.790	*****							50	10.53	32.790	*****	25.16	281	282	.2053
55	10.89	32.790	*****														

KOREA ,HAN RA SAN , STATION 307-07 , 36-55.5. N, 125-00.0. E, AUG. 8,1981, 13.30 KST, DEPTH 56 , COLOR 5, TRANS. 9.0,

WAVE 3, SWELL 2, WIND SW 4, BARO 1003.5, AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	25.53	32.120	*****							0	25.53	32.120	*****	21.03	676	675	.0000
10	25.38	32.030	*****							10	25.38	32.030	*****	21.01	678	678	.0677
20	11.72	32.770	*****							20	11.72	32.770	*****	24.93	303	303	.1168
30	9.98	32.760	*****							30	9.98	32.760	*****	25.23	275	275	.1457
53	9.62	32.740	*****							50	9.84	32.743	*****	25.24	274	274	.2008

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-08 , 36-55.5. N, 124-47.5. E, AUG. 8,1981, 15.15 KST, DEPTH 64 , COLOR 4, TRANS. 9.5,

WAVE 3, SWELL 2, WIND SW 5, BARO 1003. , AIR TEMP. DRY 27.8, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	26.50	31.890	*****	0	26.50	31.890	*****	20.56	721	721	.0000
10	25.50	31.760	*****	10	25.50	31.760	*****	20.77	701	701	.0711
20	11.40	32.850	*****	20	11.40	32.850	*****	25.05	291	292	.1208
30	9.25	32.850	*****	30	9.25	32.850	*****	25.42	257	257	.1483
50	9.00	32.760	*****	50	9.00	32.760	*****	25.39	260	260	.2001
60	9.02	32.720	*****								

KOREA ,HAN RA SAN , STATION 307-09 , 36-55.5. N, 124-34.8. E, AUG. 8,1981, 17.00 KST, DEPTH 65 , COLOR 3, TRANS. 11.0,

WAVE 3, SWELL 2, WIND SW 4, BARO 1003. , AIR TEMP. DRY 27.5, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	25.85	31.800	*****	0	25.85	31.800	*****	20.69	708	708	.0000
10	25.65	31.740	*****	10	25.65	31.740	*****	20.71	707	707	.0708
20	13.25	32.700	*****	20	13.25	32.700	*****	24.58	336	336	.1230
30	9.50	32.770	*****	30	9.50	32.770	*****	25.32	266	267	.1531
50	9.23	32.740	*****	50	9.23	32.740	*****	25.34	265	265	.2064
60	9.02	32.760	*****								

KOREA ,HAN RA SAN , STATION 307-10 , 36-55.5. N, 124-22.3. E, AUG. 8,1981, 18.45 KST, DEPTH 77 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND S 4, BARO 1003. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	26.05	31.730	*****	0	26.05	31.730	*****	20.58	719	719	.0000
10	25.95	31.710	*****	10	25.95	31.710	*****	20.60	718	718	.0719
20	13.95	32.740	*****	20	13.95	32.740	*****	24.47	347	347	.1251
30	8.70	32.740	*****	30	8.70	32.740	*****	25.42	257	257	.1554

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	8.15	32.740	*****							50	8.15	32.740	*****	25.50	249	249	.2061
73	8.12	32.740	*****														

10월 (October)

KOREA ,HAN RA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, OCT.11.1981, 10.20 KST, DEPTH 40 , COLOR 5, TRANS. 5.0,
WAVE 3, SWELL 1, WIND SW 4, BARO 1023.1, AIR TEMP. DRY 18.7, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	17.58	31.380	*****	0	17.58	31.380	*****	22.63	523	522	.0000
10	17.62	31.690	*****	10	17.62	31.690	*****	22.86	501	501	.0512
20	16.69	31.920	*****	20	16.69	31.920	*****	23.25	464	464	.0995
35	15.64	32.360	*****	36	16.12	32.213	*****	23.60	430	430	.1443

KOREA ,HAN RA SAN , STATION 307-04 , 36-55.5. N, 125-37.7. E, OCT.11.1981, 13.00 KST, DEPTH 35 , COLOR 5, TRANS. 7.0,
WAVE 3, SWELL 1, WIND SW 4, BARO 1023. , AIR TEMP. DRY 19.0. WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	17.62	31.850	*****	0	17.62	31.850	*****	22.98	489	489	.0000
10	17.60	32.070	*****	10	17.60	32.070	*****	23.15	473	473	.0481
20	17.49	32.110	*****	20	17.49	32.110	*****	23.21	467	468	.0952
30	17.08	32.110	*****	30	17.06	32.110	*****	23.30	458	459	.1416

KOREA ,HAN RA SAN , STATION 307-05 , 36-55.5. N, 125-25.0. E, OCT.11.1981, 14.40 KST, DEPTH 56 , COLOR 5, TRANS. 6.0,
WAVE 3, SWELL 1, WIND SW 4, BARO 1022.7, AIR TEMP. DRY 18.9. WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	17.98	32.100	*****	0	17.98	32.100	*****	23.03	479	479	.0000
10	17.75	32.160	*****	10	17.75	32.160	*****	23.18	470	470	.0475
20	17.51	32.290	*****	20	17.51	32.290	*****	23.34	455	455	.0938

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	16.26	32.340	*****							30	16.26	32.340	*****	23.07	423	424	.1378
53	15.19	32.450	*****							50	15.33	32.436	*****	23.95	397	398	.2201

KOREA ,HAN PA SAN , STATION 307-06 , 36-55.5. N, 125-12.5. E, OCT.11.1981, 16.25 KST, DEPTH 60 , COLOR 4, TRANS. 9.0,

WAVE 3, SWELL 1, WIND NW 4, BARO 1022.9, AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE AS, AMT 6, WEATHER PC,

0	18.72	32.090	*****							0	18.72	32.090	*****	22.89	497	497	.0000
10	17.69	32.160	*****							10	17.69	32.160	*****	23.20	468	468	.0483
20	17.41	32.210	*****							20	17.41	32.210	*****	23.30	458	459	.0947
30	17.39	32.350	*****							30	17.39	32.360	*****	23.42	447	448	.1401
50	16.42	32.480	*****							50	16.42	32.480	*****	23.74	417	418	.2267
55	15.72	32.700	*****														

KOREA ,HAN PA SAN , STATION 307-07 , 36-55.5. N, 125-00.0. E, OCT.11.1981, 18.10 KST, DEPTH 58 , COLOR 3, TRANS. 11.0,

WAVE 3, SWELL 1, WIND NW 4, BARO 1023.8, AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE AS, AMT 5, WEATHER PC,

0	18.41	32.180	*****							0	18.21	32.180	*****	23.09	479	479	.0000
10	18.00	32.250	*****							10	18.00	32.250	*****	23.19	469	469	.0474
20	17.49	32.340	*****							20	17.49	32.340	*****	23.38	451	451	.0935
30	13.18	32.740	*****							30	13.18	32.740	*****	24.03	332	332	.1327
55	11.48	32.630	*****							50	11.82	32.652	*****	24.82	313	314	.1974

KOREA ,HAN PA SAN , STATION 307-08 , 36-55.5. N, 124-47.5. E, OCT.11.1981, 19.55 KST, DEPTH 61 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NW 4, BARO 1024.6, AIR TEMP. DRY 17.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.95	32.060	*****							0	18.95	32.060	*****	22.81	505	505	.0000
10	18.85	32.140	*****							10	18.85	32.140	*****	22.90	497	497	.0501
20	18.72	32.450	*****							20	18.72	32.450	*****	23.17	471	472	.0986

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	14.69	32.410	*****							30	14.69	32.410	*****	24.07	366	386	.1415
50	10.99	32.500	*****							50	10.99	32.500	*****	24.85	310	311	.2113
58	10.91	32.480	*****														

KOREA ,HAN DA SAN , STATION 307-09 , 36-55.5. N, 124-34.8. E, OCT.11.1981, 21.40 KST, DEPTH 68 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NW 4, BARO 1025. , AIR TEMP. DRY 17.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.99	32.230	*****							0	18.99	32.230	*****	22.93	494	493	.0000
10	18.92	32.000	*****							10	18.92	32.000	*****	22.77	509	509	.0502
20	18.76	31.980	*****							20	18.76	31.980	*****	22.80	506	507	.1010
30	14.85	31.980	*****							30	14.85	31.980	*****	23.70	420	421	.1474
50	10.61	32.830	*****							50	10.61	32.830	*****	25.18	280	280	.2176
65	10.49	32.920	*****														

KOREA ,HAN DA SAN , STATION 307-10 , 36-55.5. N, 124-22.3. E, OCT.11.1981, 23.30 KST, DEPTH 75 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NW 4, BARO 1025.5, AIR TEMP. DRY 17.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.16	32.090	*****							0	19.16	32.090	*****	22.78	508	508	.0000
10	19.07	31.980	*****							10	19.07	31.980	*****	22.72	514	514	.0511
20	18.93	32.140	*****							20	18.93	32.140	*****	22.88	499	499	.1018
30	14.98	32.450	*****							30	14.98	32.450	*****	24.03	368	369	.1463
50	10.72	32.880	*****							50	10.72	32.880	*****	25.20	278	278	.2131
70	10.61	32.900	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,HAN PA SAN , STATION 307-03 , 36-56.5. N, 126-00.0. E, DEC. 9.1981, 19.55 KST, DEPTH 38 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NW 3, BARO 1030. , AIR TEMP. DRY 7.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.71	31.920	*****	0	9.71	31.920	*****	24.62	333	332	.0000
10	9.68	32.390	*****	10	9.68	32.390	*****	24.99	297	297	.0315
20	9.68	32.380	*****	20	9.68	32.380	*****	24.98	298	298	.0613
35	9.75	32.360	*****	30	9.73	32.367	*****	24.96	300	300	.0913

KOREA ,HAN PA SAN , STATION 307-04 , 36-55.5. N, 125-37.7. E, DEC. 9.1981, 22.35 KST, DEPTH 34 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND NW 3, BARO 1030. , AIR TEMP. DRY 6.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.51	32.070	*****	0	9.51	32.070	*****	24.77	318	318	.0000
10	9.49	32.520	*****	10	9.49	32.520	*****	25.12	285	285	.0302
20	9.55	32.520	*****	20	9.55	32.520	*****	25.11	286	286	.0588
30	9.60	32.500	*****	30	9.60	32.500	*****	25.09	288	288	.0875

KOREA ,HAN PA SAN , STATION 307-05 , 36-55.5. N, 125-25.0. E, DEC.10.1981, 00.10 KST, DEPTH 54 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 4, BARO 1030. , AIR TEMP. DRY 5.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.35	32.390	*****	0	9.35	32.390	*****	25.04	292	292	.0000
10	9.65	32.380	*****	10	9.65	32.380	*****	24.99	298	298	.0295
20	9.49	32.380	*****	20	9.49	32.380	*****	25.01	295	295	.0592
30	9.51	32.410	*****	30	9.51	32.410	*****	25.03	293	293	.0887
50	9.62	32.520	*****	50	9.62	32.520	*****	25.10	287	287	.1469

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-06 , 36-55.5. N, 125-12.5. E, DEC.10.1981, 01.55 KST, DEPTH 60 , COLOR . TRANS. . .

WAVE 3, SWELL 2, WIND NW 4, BARO 1029.5, AIR TEMP. DRY 5.6. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.02	32.360	*****						0	9.02	32.360	*****	25.07	290	289	.0000
10	8.89	32.300	*****						10	8.89	32.300	*****	25.05	292	292	.0291
20	8.88	32.300	*****						20	8.88	32.300	*****	25.05	292	292	.0584
30	8.79	32.500	*****						30	8.79	32.500	*****	25.22	276	276	.0868
50	8.85	32.520	*****						50	8.85	32.520	*****	25.22	275	276	.1421
55	8.76	32.540	*****													

KOREA ,HAN RA SAN , STATION 307-07 , 36-55.5. N, 125-00.0. E, DEC.10.1981, 03.40 KST, DEPTH 58 , COLOR . TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1029.5, AIR TEMP. DRY 5.5. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.63	32.380	*****						0	8.63	32.380	*****	25.15	282	282	.0000
10	8.61	32.320	*****						10	8.61	32.320	*****	25.10	287	286	.0285
20	8.64	32.380	*****						20	8.64	32.380	*****	25.15	283	283	.0570
30	8.59	32.560	*****						30	8.59	32.560	*****	25.29	268	269	.0846
55	8.61	32.680	*****						50	8.61	32.656	*****	25.37	262	262	.1378

KOREA ,HAN RA SAN , STATION 307-08 , 36-55.5. N, 124-47.5. E, DEC.10.1981, 05.25 KST, DEPTH 61 , COLOR . TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1030. , AIR TEMP. DRY 5.4. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.98	32.430	*****						0	7.98	32.430	*****	25.28	270	269	.0000
10	8.15	32.390	*****						10	8.15	32.390	*****	25.23	275	275	.0272
20	8.19	32.380	*****						20	8.19	32.380	*****	25.21	276	276	.0548
30	7.91	32.520	*****						30	7.91	32.520	*****	25.36	262	262	.0818
50	8.11	32.700	*****						50	8.11	32.700	*****	25.48	251	252	.1333
55	8.15	32.720	*****													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 307-09 , 36-55.5. N, 124-34.8. E, DEC.10.1981, 07.10 KST, DEPTH 69 , COLOR . TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1031.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	8.49	32.360	*****	0	8.49	32.360	*****	25.15	282	282	.0000
10	8.32	32.340	*****	10	8.32	32.340	*****	25.16	281	281	.0282
20	8.15	32.360	*****	20	8.15	32.360	*****	25.20	277	277	.0561
30	8.09	32.380	*****	30	8.09	32.380	*****	25.23	275	275	.0838
50	7.99	32.430	*****	50	7.99	32.430	*****	25.28	270	270	.1384
65	8.00	32.540	*****								

KOREA ,HAN RA SAN , STATION 307-10 , 36-55.5. N, 124-22.3. E, DEC.10.1981, 09.00 KST, DEPTH 76 , COLOR 3, TRANS. 11.0,

WAVE 3, SWELL 1, WIND NW 3, BARO 1031.8, AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE AS, AMT 7, WEATHER DC,

0	8.30	32.320	*****	0	8.30	32.320	*****	25.15	282	282	.0000
10	8.14	32.380	*****	10	8.14	32.380	*****	25.22	275	275	.0279
20	8.01	32.360	*****	20	8.01	32.360	*****	25.22	275	275	.0555
30	8.00	32.390	*****	30	8.00	32.390	*****	25.25	273	273	.0829
50	8.05	32.450	*****	50	8.05	32.450	*****	25.29	269	269	.1373
70	7.96	32.500	*****								

308선 해양관측 성적

Oceanographic Data. Line 308

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

2 월(February)

KOREA ,HAN RA SAN , STATION 308-01 , 36-19.8. N, 126-14.4. E. FEB.16.1981, 05.30 KST, DEPTH 19 , COLOR , TRANS. . .

WAVE 4, SWELL 2, WIND NW 5, BARO 1025. , AIR TEMP. DRY 2.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	3.60	31.960	*****	0	3.60	31.960	*****	25.43	255	255	.0000
10	3.55	31.960	*****	10	3.55	31.960	*****	25.44	255	255	.0255
17	3.50	31.960	*****								

KOREA ,HAN RA SAN , STATION 308-02 , 36-19.8. N, 126-02.3. E. FEB.16.1981, 03.50 KST, DEPTH 30 , COLOR , TRANS. . .

WAVE 4, SWELL 2, WIND NW 5, BARO 1025. , AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	3.50	31.980	*****	0	3.50	31.980	*****	25.46	253	253	.0000
10	3.60	32.000	*****	10	3.60	32.000	*****	25.46	252	252	.0253
20	3.61	31.980	*****	20	3.61	31.980	*****	25.45	254	254	.0506
28	3.50	31.980	*****								

KOREA ,HAN RA SAN , STATION 308-03 , 36-19.8. N, 125-50.0. E. FEB.16.1981, 02.05 KST, DEPTH 51 , COLOR , TRANS. . .

WAVE 4, SWELL 2, WIND NW 5, BARO 1024. , AIR TEMP. DRY 2.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	3.62	32.000	*****	0	3.62	32.000	*****	25.46	252	252	.0000
10	3.70	32.000	*****	10	3.70	32.000	*****	25.45	253	253	.0253
20	3.51	32.000	*****	20	3.51	32.000	*****	25.47	252	251	.0506
30	3.52	32.020	*****	30	3.52	32.020	*****	25.49	250	250	.0757
48	3.45	31.980	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-04 , 36-19.8. N, 125-37.0. E, FEB.14.1981, 00.25 KST, DEPTH 51 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND NW 4, BARO 1023.5, AIR TEMP. DRY 2.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	3.88	32.020	*****	0	3.88	32.020	*****	25.45	253	253	.0000
10	3.88	32.030	*****	10	3.88	32.030	*****	25.46	253	252	.0253
20	3.51	32.030	*****	20	3.51	32.030	*****	25.50	249	249	.0504
30	4.05	32.070	*****	30	4.05	32.070	*****	25.48	251	251	.0755
48	3.98	32.090	*****								

KOREA ,HAN RA SAN , STATION 308-05 , 36-19.8. N, 125-25.3. E, FEB.15.1981, 22.35 KST, DEPTH 51 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND NW 3, BARO 1024.5, AIR TEMP. DRY 1.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	4.20	32.270	*****	0	4.20	32.270	*****	25.62	237	237	.0000
10	4.30	32.250	*****	10	4.30	32.250	*****	25.59	240	240	.0239
20	4.31	32.250	*****	20	4.31	32.250	*****	25.59	240	240	.0479
30	4.20	32.230	*****	30	4.20	32.230	*****	25.59	240	240	.0720
49	4.10	32.230	*****								

KOREA ,HAN RA SAN , STATION 308-06 , 36-19.8. N, 125-12.4. E, FEB.15.1981, 20.50 KST, DEPTH 56 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND NW 3, BARO 1025. , AIR TEMP. DRY 2.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	4.38	32.250	*****	0	4.38	32.250	*****	25.59	241	240	.0000
10	4.50	32.230	*****	10	4.50	32.230	*****	25.56	243	243	.0242
20	4.38	32.230	*****	20	4.38	32.230	*****	25.57	242	242	.0485
30	4.23	32.290	*****	30	4.23	32.290	*****	25.63	236	236	.0725
53	4.32	32.360	*****	50	4.31	32.351	*****	25.67	232	232	.1194

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-07 , 36-19.8. N, 125-00.0. E, FEB.15.1981, 19.00 KST, DEPTH 68 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND NW 3, BARO 1023.5, AIR TEMP. DRY 4.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	4.80	32.300	*****							0	4.80	32.300	*****	25.58	241	241	.0000
10	4.70	32.340	*****							10	4.70	32.340	*****	25.62	237	237	.0239
20	4.58	32.320	*****							20	4.58	32.320	*****	25.62	237	237	.0477
30	4.65	32.300	*****							30	4.65	32.300	*****	25.60	240	239	.0716
50	4.70	32.300	*****							50	4.70	32.300	*****	25.59	240	240	.1196
66	4.60	32.290	*****														

KOREA ,HAN RA SAN , STATION 308-08 , 36-19.8. N, 124-47.5. E, FEB.15.1981, 17.15 KST, DEPTH 74 , COLOR 4, TRANS. 9.0,

WAVE 2, SWELL 1, WIND SE 2, BARO 1022. , AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	5.00	32.430	*****							0	5.00	32.430	*****	25.66	233	233	.0000
10	5.10	32.380	*****							10	5.10	32.380	*****	25.61	238	238	.0236
20	5.40	32.380	*****							20	5.40	32.380	*****	25.58	241	241	.0476
30	4.82	32.360	*****							30	4.82	32.360	*****	25.63	237	237	.0716
50	4.94	32.380	*****							50	4.94	32.380	*****	25.63	237	237	.1190
70	5.00	32.380	*****														

KOREA ,HAN RA SAN , STATION 308-09 , 36-19.8. N, 124-35.1. E, FEB.15.1981, 15.20 KST, DEPTH 82 , COLOR 4, TRANS. 10.0,

WAVE 2, SWELL 1, WIND SE 2, BARO 1021.5, AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	5.72	32.570	*****							0	5.72	32.570	*****	25.69	231	230	.0000
10	5.80	32.570	*****							10	5.80	32.570	*****	25.68	232	231	.0231
20	5.50	32.590	*****							20	5.50	32.590	*****	25.73	227	227	.0461
30	5.48	32.540	*****							30	5.48	32.540	*****	25.70	230	230	.0690

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	5.51	32.540	*****							50	5.51	32.540	*****	25.69	231	231	.1152
79	5.38	32.540	*****							75	5.40	32.540	*****	25.71	229	230	.1729
KOREA ,HAN PA SAN , STATION 308-10 , 36-19.8. N, 124-23.0. E, FEB.15.1981, 13.30 KST, DEPTH 82 , COLOR 4, TRANS. 11.0,																	
WAVE 2, SWELL 1, WIND SE 2, BARO 1021.5, AIR TEMP. DRY 5.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER R ,																	
0	5.70	32.560	*****							0	5.70	32.560	*****	25.69	231	231	.0000
10	5.80	32.570	*****							10	5.80	32.570	*****	25.68	232	231	.0232
20	5.71	32.570	*****							20	5.71	32.570	*****	25.69	231	231	.0463
30	5.53	32.590	*****							30	5.53	32.590	*****	25.73	227	227	.0692
50	5.80	32.610	*****							50	5.70	32.610	*****	25.71	229	229	.1149
80	5.72	32.610	*****							75	5.73	32.610	*****	25.72	228	228	.1722

4 월 (April)

KOREA ,HAN PA SAN , STATION 308-01 , 36-19.8. N, 126-14.4. E, APR.14.1981, 10.20 KST, DEPTH 21 , COLOR 6, TRANS. 3.0,

WAVE 2, SWELL 1, WIND S 1, BARO 1026. , AIR TEMP. DRY 8.2, WET . , CLOUD. TYPE AS, AMT 5, WEATHER PC,

0	5.86	32.110	*****	0	5.86	32.110	*****	25.31	267	267	.0000
10	5.42	32.070	*****	10	5.42	32.070	*****	25.53	265	265	.0266
18	5.50	32.110	*****								

KOREA ,HAN PA SAN , STATION 308-02 , 36-19.8. N, 126-02.3. E, APR.14.1981, 08.45 KST, DEPTH 27 , COLOR 5, TRANS. 6.0,

WAVE 2, SWELL 1, WIND S 2, BARO 1026. , AIR TEMP. DRY 7.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	5.75	32.200	*****	0	5.75	32.200	*****	25.40	259	259	.0000
10	5.18	32.180	*****	10	5.18	32.180	*****	25.45	254	254	.0257
20	5.08	32.200	*****	20	5.08	32.200	*****	25.47	252	251	.0510
24	5.04	32.210	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

EA ,HAN PA SAN , STATION 308-03 , 36-19.8. N, 125-50.0. E, APR.14.1981, 07.00 KST, DEPTH 49 , COLOR 5, TRANS. 5.0.
F 5, SWELL 2, WIND S 3, BARO 1025.3, AIR TEMP. DRY 7.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	5.38	32.290	*****	0	5.38	32.290	*****	25.51	248	248	.0000
10	5.16	32.290	*****	10	5.16	32.290	*****	25.53	246	245	.0247
20	5.00	32.270	*****	20	5.00	32.270	*****	25.54	245	245	.0493
30	5.00	32.340	*****	30	5.00	32.340	*****	25.59	240	240	.0736
46	4.92	32.340	*****								

EA ,HAN PA SAN , STATION 308-04 , 36-19.8. N, 125-37.0. E, APR.13.1981, 17.00 KST, DEPTH 49 , COLOR 6, TRANS. 5.0.
VE 3, SWELL 2, WIND W 4, BARO 1023.5, AIR TEMP. DRY 8.5, WET . , CLOUD. TYPE CI, AMT 3, WEATHER BC,

0	6.00	32.250	*****	0	6.00	32.250	*****	25.41	258	258	.0000
10	5.18	32.250	*****	10	5.18	32.250	*****	25.50	249	249	.0254
20	5.12	32.320	*****	20	5.12	32.320	*****	25.56	243	243	.0500
30	4.99	32.340	*****	30	4.99	32.340	*****	25.59	240	240	.0742
46	4.90	32.340	*****								

EA ,HAN PA SAN , STATION 308-05 , 36-19.8. N, 125-25.3. E, APR.13.1981, 15.55 KST, DEPTH 51 , COLOR 6, TRANS. 4.0.
F 3, SWELL 2, WIND NW 4, BARO 1022. , AIR TEMP. DRY 10.8, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	5.58	32.180	*****	0	5.58	32.180	*****	25.40	258	258	.0000
10	5.48	32.180	*****	10	5.48	32.180	*****	25.41	257	257	.0258
20	5.30	32.200	*****	20	5.30	32.200	*****	25.45	254	254	.0514
30	4.89	32.270	*****	30	4.89	32.270	*****	25.55	244	244	.0763
48	4.30	32.270	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-06 , 36-19.8. N, 125-12.4. E, APR.13.1981, 13.55 KST, DEPTH 56 , COLOR 4, TRANS. 6.0,

WAVE 4, SWELL 2, WIND NW 4, BARO 1023.5, AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	6.18	32.290	*****	0	6.18	32.290	*****	25.41	257	257	.0000
10	5.82	32.250	*****	10	5.82	32.250	*****	25.43	256	256	.0257
20	4.65	32.300	*****	20	4.65	32.300	*****	25.60	240	239	.0505
30	4.42	32.340	*****	30	4.42	32.340	*****	25.65	234	234	.0742
53	4.35	32.360	*****	50	4.36	32.357	*****	25.67	232	232	.1210

KOREA ,HAN RA SAN , STATION 308-07 , 36-19.8. N, 125-00.0. E, APR.13.1981, 12.05 KST, DEPTH 70 , COLOR 4, TRANS. 7.0,

WAVE 4, SWELL 2, WIND NW 4, BARO 1023. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE CI, AMT 1, WEATHER P ,

0	6.30	32.340	*****	0	6.30	32.340	*****	25.44	255	254	.0000
10	5.38	32.410	*****	10	5.38	32.410	*****	25.60	239	239	.0247
20	4.60	32.450	*****	20	4.60	32.450	*****	25.72	228	228	.0481
30	4.55	32.470	*****	30	4.55	32.470	*****	25.74	226	226	.0708
50	4.80	32.500	*****	50	4.80	32.500	*****	25.74	226	226	.1161
65	4.70	32.520	*****								

KOREA ,HAN RA SAN , STATION 308-08 , 36-19.8. N, 124-47.5. E, APR.13.1981, 10.20 KST, DEPTH 74 , COLOR 3, TRANS. 12.0,

WAVE 4, SWELL 2, WIND NW 5, BARO 1022. , AIR TEMP. DRY 10.3, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	7.28	32.430	*****	0	7.28	32.430	*****	25.38	260	260	.0000
10	7.10	32.410	*****	10	7.10	32.410	*****	25.39	259	259	.0260
20	5.35	32.590	*****	20	5.35	32.590	*****	25.75	225	225	.0503
30	5.40	32.630	*****	30	5.40	32.630	*****	25.78	223	223	.0727
50	5.40	32.630	*****	50	5.40	32.630	*****	25.78	223	223	.1173
70	5.35	32.630	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN PA SAN , STATION 308-09 , 36-19.8. N, 124-35.1. E, APR.13.1981, 08.25 KST, DEPTH 83 , COLOR 3, TRANS. 15.0,

WAVE 4, SWELL 2, WIND NW 5, BARO 1021. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	7.55	32.630	*****	0	7.55	32.630	*****	25.50	249	249	.0000
10	7.59	32.610	*****	10	7.59	32.610	*****	25.48	251	251	.0250
20	6.50	32.680	*****	20	6.50	32.680	*****	25.68	232	232	.0492
30	5.80	32.770	*****	30	5.80	32.770	*****	25.84	217	217	.0716
50	5.85	32.810	*****	50	5.85	32.810	*****	25.86	214	214	.1149
80	6.25	32.810	*****	75	6.18	32.810	*****	25.82	218	219	.1691

KOREA ,HAN PA SAN , STATION 308-10 , 36-19.8. N, 124-23.0. E, APR.13.1981, 06.40 KST, DEPTH 80 , COLOR 3, TRANS. 9.0,

WAVE 4, SWELL 2, WIND NW 4, BARO 1020. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	7.68	32.680	*****	0	7.68	32.680	*****	25.52	247	247	.0000
10	7.80	32.650	*****	10	7.80	32.650	*****	25.48	251	251	.0249
20	6.50	32.720	*****	20	6.80	32.720	*****	25.67	232	232	.0491
30	6.80	32.850	*****	30	6.80	32.850	*****	25.78	223	223	.0719
50	6.12	32.880	*****	50	6.12	32.880	*****	25.89	212	212	.1155
77	6.10	32.900	*****	75	6.10	32.899	*****	25.90	211	211	.1686

6 월 (June)

KOREA ,HAN PA SAN , STATION 308-01 , 36-19.8. N, 126-14.4. E, JUN. 5.1981, 20.15 KST, DEPTH 22 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND S 4, BARO 1012.5, AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.91	32.290	*****	0	16.91	32.290	*****	25.48	441	441	.0000
10	12.42	32.430	*****	10	12.42	32.430	*****	24.54	340	340	.0391
20	11.72	32.450	*****	20	11.72	32.450	*****	24.68	327	327	.0725

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-02 , 36-19.8. N, 126-02.3. E, JUN. 5.1981, 18.40 KST, DEPTH 29 , COLOR 5, TRANS. 6.

WAVE 3, SWELL 1, WIND S 4, BARO 1013. , AIR TEMP. DRY 18.7, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	16.09	32.520	*****							0	16.09	32.520	*****	23.64	407	406	.0000
10	12.82	32.470	*****							10	12.82	32.470	*****	24.49	345	345	.0376
20	10.79	32.540	*****							20	10.79	32.540	*****	24.92	304	304	.0701
26	10.72	32.560	*****														

KOREA ,HAN RA SAN , STATION 308-03 , 36-19.8. N, 125-50.0. E, JUN. 5.1981, 16.55 KST, DEPTH 49 , COLOR 5, TRANS. 7.0,

WAVE 3, SWELL 1, WIND E 4, BARO 1013. , AIR TEMP. DRY 18.4, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,

0	15.21	32.660	*****							0	15.21	32.660	*****	24.15	378	378	.0000
10	12.91	32.570	*****							10	12.91	32.570	*****	24.55	339	339	.0359
20	11.22	32.560	*****							20	11.22	32.560	*****	24.86	310	310	.0684
30	9.89	32.570	*****							30	9.89	32.570	*****	25.10	287	288	.0983
45	8.55	32.610	*****														

KOREA ,HAN RA SAN , STATION 308-04 , 36-19.8. N, 125-37.0. E, JUN. 5.1981, 15.15 KST, DEPTH 50 , COLOR 5, TRANS. 6.5,

WAVE 3, SWELL 1, WIND SW 4, BARO 1013.9, AIR TEMP. DRY 18.3, WET . , CLOUD. TYPE CC, AMT 4, WEATHER BC,

0	16.02	32.740	*****							0	16.02	32.740	*****	24.03	389	389	.0000
10	11.80	32.740	*****							10	11.80	32.740	*****	24.89	307	306	.0368
20	8.32	32.700	*****							20	8.32	32.700	*****	25.44	254	254	.0629
30	8.15	32.700	*****							30	8.15	32.700	*****	25.47	252	252	.0883
47	8.02	32.740	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-05 , 36-19.8. N, 125-25.3. E, JUN. 5,1981, 13.30 KST, DEPTH 51 , COLOR 5, TRANS. 7.0,

WAVE 3, SWELL 1, WIND SW 4, BARO 1014.6, AIR TEMP. DRY 18.3, WET . , CLOUD. TYPE CC, AMT 5, WEATHER BC,

0	15.00	32.720	*****	0	15.00	32.720	*****	24.24	369	369	.0000
10	13.29	32.700	*****	10	13.29	32.700	*****	24.58	337	337	.0353
20	7.69	32.720	*****	20	7.69	32.720	*****	25.55	244	244	.0644
30	7.49	32.700	*****	30	7.49	32.700	*****	25.56	243	243	.0888
48	7.38	32.760	*****								

KOREA ,HAN RA SAN , STATION 308-06 , 36-19.8. N, 125-12.4. E, JUN. 5,1981, 11.50 KST, DEPTH 58 , COLOR 4, TRANS. 9.0,

WAVE 3, SWELL 1, WIND SW 4, BARO 1015. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	16.05	32.660	*****	0	16.05	32.660	*****	23.96	396	395	.0000
10	14.98	32.590	*****	10	14.98	32.590	*****	24.14	378	378	.0387
20	6.69	32.760	*****	20	6.69	32.760	*****	25.72	228	228	.0691
30	6.58	32.700	*****	30	6.58	32.700	*****	25.69	231	231	.0921
55	6.48	32.860	*****	50	6.50	32.828	*****	25.80	221	221	.1374

KOREA ,HAN RA SAN , STATION 308-07 , 36-19.8. N, 125-00.0. E, JUN. 5,1981, 10.00 KST, DEPTH 68 , COLOR 3, TRANS. 12.0,

WAVE 3, SWELL 1, WIND SW 3, BARO 1014.7, AIR TEMP. DRY 17.6, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	15.80	32.740	*****	0	15.80	32.740	*****	24.08	384	384	.0000
10	15.79	32.720	*****	10	15.79	32.720	*****	24.06	386	386	.0385
20	14.91	32.720	*****	20	14.91	32.720	*****	24.26	367	367	.0762
30	6.49	32.790	*****	30	6.49	32.790	*****	25.77	223	223	.1058
50	6.28	32.850	*****	50	6.28	32.850	*****	25.84	216	217	.1499
65	6.32	32.880	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 308-08 , 36-19.8. N, 124-47.5. E, JUN. 5.1981, 08.15 KST, DEPTH 75 , COLOR 3, TRANS. 15.0,

WAVE 2, SWELL 1, WIND SW 3, BARO 1014.5, AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	16.49	32.770	*****	0	16.49	32.770	*****	23.94	397	397	.0000
10	16.32	32.760	*****	10	16.32	32.760	*****	23.98	394	394	.0396
20	14.68	32.850	*****	20	14.68	32.850	*****	24.41	353	353	.0770
30	6.58	32.940	*****	30	6.58	32.940	*****	25.88	213	213	.1054
50	6.29	32.920	*****	50	6.29	32.920	*****	25.90	211	211	.1480
72	6.19	32.850	*****								

KOREA ,HAN RA SAN , STATION 308-09 , 36-19.8. N, 124-35.1. E, JUN. 5.1981, 06.25 KST, DEPTH 84 , COLOR 3, TRANS. 14.0,

WAVE 2, SWELL 1, WIND SE 2, BARO 1013.5, AIR TEMP. DRY 15.9, WET . , CLOUD. TYPE ST, AMT 8, WEATHER C ,

0	16.42	32.900	*****	0	16.42	32.900	*****	24.06	386	386	.0000
10	16.22	32.860	*****	10	16.22	32.860	*****	24.07	385	385	.0386
20	13.44	32.970	*****	20	13.44	32.970	*****	24.75	320	320	.0738
30	6.49	32.950	*****	30	6.49	32.950	*****	25.89	211	211	.1005
50	6.38	32.970	*****	50	6.38	32.970	*****	25.92	209	209	.1426
80	6.39	32.920	*****	75	6.39	32.928	*****	25.89	212	212	.1954

KOREA ,HAN RA SAN , STATION 308-10 , 36-19.8. N, 124-23.0. E, JUN. 5.1981, 04.40 KST, DEPTH 82 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1013.5, AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	16.40	32.880	*****	0	16.40	32.880	*****	24.05	387	387	.0000
10	16.01	32.860	*****	10	16.01	32.860	*****	24.12	380	380	.0384
20	14.18	32.880	*****	20	14.18	32.880	*****	24.53	341	341	.0745
30	6.39	33.040	*****	30	6.39	33.040	*****	25.98	203	203	.1018

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	6.35	33.060	*****							50	6.35	33.060	*****	26.00	201	202	.1424
78	6.29	33.060	*****							75	6.30	33.060	*****	26.01	201	201	.1929

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KOREA ,HAN PA SAN , STATION 308-01 , 36-19.8. N, 126-16.4. E, AUG. 9.1981, 15.40 KST, DEPTH 22 , COLOR 5, TRANS. 6.0,
WAVE 2, SWELL 1, WIND W 2, BARO 1005. , AIR TEMP. DRY 26.6, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BE,

0	24.12	31.550	*****							0	24.12	31.550	*****	21.02	676	676	.0000
10	22.88	31.690	*****							10	22.88	31.690	*****	21.49	632	632	.0655
19	22.57	31.760	*****														

KOREA ,HAN PA SAN , STATION 308-02 , 36-19.8. N, 126-02.3. E, AUG. 9.1981, 14.00 KST, DEPTH 30 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND S 2, BARO 1005.2, AIR TEMP. DRY 28.3, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	24.00	32.320	*****							0	24.00	32.320	*****	21.64	617	617	.0000
10	22.85	32.160	*****							10	22.85	32.160	*****	21.85	597	597	.0608
20	21.42	32.230	*****							20	21.42	32.230	*****	22.30	554	555	.1184
27	19.43	32.390	*****														

KOREA ,HAN PA SAN , STATION 308-03 , 36-19.8. N, 125-50.0. E, AUG. 9.1981, 12.15 KST, DEPTH 50 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND SE 3, BARO 1005.2, AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	24.36	32.340	*****							0	24.36	32.340	*****	21.55	626	626	.0000
10	23.03	32.430	*****							10	23.03	32.430	*****	22.00	583	583	.0605
20	16.60	32.480	*****							20	16.60	32.480	*****	23.70	421	421	.1107
30	16.25	32.630	*****							30	16.25	32.630	*****	23.89	402	403	.1519
47	15.00	32.740	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN PA SAN , STATION 308-04 , 36-19.8. N, 125-37.0. E, AUG. 9,1981, 10.35 KST, DEPTH 50 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND SE 3, BARO 1005.2, AIR TEMP. DRY 27.0, WET . . , CLOUD. TYPE , AMT , WEATHER F ,

0	24.95	32.290	*****						0	24.95	32.290	*****	21.34	647	646	.0000
10	24.38	32.180	*****						10	24.38	32.180	*****	21.42	638	638	.0643
20	14.60	32.740	*****						20	14.60	32.740	*****	24.34	360	360	.1142
30	13.20	32.850	*****						30	13.20	32.850	*****	24.71	324	324	.1485
47	11.95	32.850	*****													

KOREA ,HAN PA SAN , STATION 308-05 , 36-19.8. N, 125-25.3. E, AUG. 9,1981, 08.50 KST, DEPTH 50 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND SE 3, BARO 1004.7, AIR TEMP. DRY 25.5, WET . . , CLOUD. TYPE , AMT , WEATHER F ,

0	25.62	32.210	*****						0	25.62	32.210	*****	21.07	672	671	.0000
10	25.28	32.300	*****						10	25.28	32.300	*****	21.24	655	655	.0664
20	16.55	32.850	*****						20	16.55	32.850	*****	23.99	393	393	.1189
30	13.10	32.850	*****						30	13.10	32.850	*****	24.73	322	323	.1547
47	12.41	32.860	*****													

KOREA ,HAN PA SAN , STATION 308-06 , 36-19.8. N, 125-12.4. E, AUG. 9,1981, 07.10 KST, DEPTH 58 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND SE 3, BARO 1004.7, AIR TEMP. DRY 25.2, WET . . , CLOUD. TYPE , AMT , WEATHER F ,

0	25.70	32.290	*****						0	25.70	32.290	*****	21.11	668	668	.0000
10	25.30	32.300	*****						10	25.30	32.300	*****	21.24	656	656	.0683
20	16.58	32.630	*****						20	16.58	32.630	*****	23.82	409	410	.1196
30	11.54	32.830	*****						30	11.54	32.830	*****	25.01	295	296	.1549
55	10.41	32.830	*****						50	10.64	32.830	*****	25.17	280	281	.2126

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN PA SAN , STATION 308-07 , 36-19.8. N, 125-00.0. E. AUG. 9.1981, 05.25 KST, DEPTH 67 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1004.7, AIR TEMP. DRY 25.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.05	32.090	*****	0	26.05	32.090	*****	20.85	693	693	.0000
10	26.61	32.050	*****	10	26.61	32.050	*****	20.65	713	713	.0703
20	16.61	32.610	*****	20	16.61	32.610	*****	23.79	411	412	.1286
30	13.50	32.790	*****	30	13.50	32.790	*****	24.60	334	335	.1640
50	10.22	32.950	*****	50	10.22	32.950	*****	25.34	264	265	.2240
64	10.30	32.900	*****								

KOREA ,HAN PA SAN , STATION 308-08 , 36-19.8. N, 124-47.5. E. AUG. 9.1981, 03.40 KST, DEPTH 75 , COLOR , TRANS. , ,

WAVE 3, SWELL 2, WIND SE 3, BARO 1004.5, AIR TEMP. DRY 25.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.10	32.110	*****	0	26.10	32.110	*****	20.85	693	693	.0000
10	25.95	32.050	*****	10	25.95	32.050	*****	20.85	693	693	.0693
20	14.40	32.770	*****	20	14.40	32.770	*****	24.40	353	353	.1217
30	13.88	32.880	*****	30	13.88	32.880	*****	24.60	335	335	.1562
50	10.60	32.860	*****	50	10.60	32.860	*****	25.20	277	278	.2176
72	10.10	32.850	*****								

KOREA ,HAN PA SAN , STATION 308-09 , 36-19.8. N, 124-35.1. E. AUG. 9.1981, 01.50 KST, DEPTH 82 , COLOR , TRANS. , ,

WAVE 3, SWELL 2, WIND S 4, BARO 1004. , AIR TEMP. DRY 25.5, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.15	31.910	*****	0	26.15	31.910	*****	20.68	709	709	.0000
10	26.10	31.800	*****	10	26.10	31.800	*****	20.62	715	715	.0713
20	14.00	32.760	*****	20	14.00	32.760	*****	24.48	346	346	.1244
30	10.00	32.860	*****	30	10.00	32.860	*****	25.30	268	268	.1552

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	9.61	32.850	*****							50	9.61	32.850	*****	25.36	262	263	.2083
78	8.85	32.810	*****							75	8.93	32.814	*****	25.44	255	256	.2732

KOREA ,HAN RA SAN , STATION 308-10 , 36-19.8. N, 124-23.0. E, AUG. 9.1981, 00.05 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE 3, SWELL 2, WIND S 4, BARO 1004. , AIR TEMP. DRY 25.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.32	31.760	*****	0	26.32	31.760	*****	20.52	725	725	.0000
10	26.22	31.670	*****	10	26.22	31.670	*****	20.48	728	728	.0727
20	18.52	32.290	*****	20	18.52	32.290	*****	23.09	478	478	.1331
30	13.92	32.680	*****	30	13.92	32.680	*****	24.43	350	351	.1746
50	7.82	32.770	*****	50	7.82	32.770	*****	25.57	242	242	.2340
77	7.34	32.760	*****	75	7.38	32.761	*****	25.63	237	238	.2942

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KOREA ,HAN RA SAN , STATION 308-01 , 36-19.8. N, 126-14.4. E, OCT.12.1981, 20.30 KST, DEPTH 23 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SSE 4, BARO 1025.5, AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.31	31.910	*****	0	18.31	31.910	*****	22.86	501	501	.0000
10	18.35	31.560	*****	10	18.35	31.560	*****	22.58	527	527	.0514
20	17.25	31.600	*****	20	17.25	31.600	*****	22.87	499	500	.1028

KOREA ,HAN RA SAN , STATION 308-02 , 36-19.8. N, 126-02.3. E, OCT.12.1981, 18.55 KST, DEPTH 29 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SSE 3, BARO 1025. , AIR TEMP. DRY 17.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.35	31.640	*****	0	18.35	31.640	*****	22.64	521	521	.0000
10	17.75	31.530	*****	10	17.75	31.530	*****	22.70	516	516	.0519

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	17.59	31.730	*****							20	17.59	31.730	*****	22.89	497	498	.1026
26	16.86	31.710	*****														

KOREA ,HAN RA SAN , STATION 308-03 , 36-19.8. N, 125-50.0. E, OCT.12.1981, 17.15 KST, DEPTH 48 , COLOR 3, TRANS. 10.0,
WAVE 3, SWELL 1, WIND S 3, BARO 1024. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	18.19	32.110	*****				0	18.19	32.110	*****	23.04	484	483	.0000
10	17.62	32.070	*****				10	17.62	32.070	*****	23.15	473	473	.0479
20	17.85	32.090	*****				20	17.85	32.090	*****	23.11	477	477	.0955
30	17.01	32.200	*****				30	17.01	32.200	*****	23.39	450	451	.1419
45	13.95	32.520	*****											

KOREA ,HAN RA SAN , STATION 308-04 , 36-19.8. N, 125-37.0. E, OCT.12.1981, 15.35 KST, DEPTH 50 , COLOR 3, TRANS. 12.0,
WAVE 3, SWELL 1, WIND SE 3, BARO 1023.9, AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	18.22	32.000	*****				0	18.22	32.000	*****	22.95	492	492	.0000
10	18.11	32.120	*****				10	18.11	32.120	*****	23.07	481	481	.0487
20	17.98	32.140	*****				20	17.98	32.140	*****	23.11	476	477	.0966
30	13.05	32.560	*****				30	13.05	32.560	*****	24.52	343	343	.1377
47	12.89	32.590	*****											

KOREA ,HAN RA SAN , STATION 308-05 , 36-19.8. N, 125-25.3. E, OCT.12.1981, 13.50 KST, DEPTH 50 , COLOR 3, TRANS. 12.0,
WAVE 3, SWELL 1, WIND SE 4, BARO 1026. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	18.65	32.140	*****				0	18.65	32.140	*****	22.95	492	492	.0000
10	18.54	32.180	*****				10	18.54	32.180	*****	23.01	487	487	.0490
20	18.59	32.160	*****				20	18.59	32.160	*****	22.98	489	490	.0978

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	18.18	32.160	*****							30	18.18	32.160	*****	23.08	480	480	.1464
47	12.72	32.630	*****														

KOREA ,HAN RA SAN , STATION 308-06 , 36-19.8. N, 125-12.4. E, OCT.12.1981, 12.05 KST, DEPTH 59 , COLOR 3, TRANS. 13.5,
WAVE 3, SWELL 1, WIND SE 4, BARO 1027. , AIR TEMP. DRY 18.0, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	18.75	32.110	*****							0	18.75	32.110	*****	22.90	497	496	.0000
10	18.69	32.050	*****							10	18.69	32.050	*****	22.87	500	500	.0498
20	18.29	32.110	*****							20	18.29	32.110	*****	23.01	486	486	.0992
30	15.59	32.430	*****							30	15.59	32.430	*****	23.89	403	403	.1437
55	11.85	32.660	*****							50	12.60	32.614	*****	24.65	330	331	.2172

KOREA ,HAN RA SAN , STATION 308-07 , 36-19.8. N, 125-00.0. E, OCT.12.1981, 10.15 KST, DEPTH 68 , COLOR 3, TRANS. 13.0,
WAVE 3, SWELL 1, WIND SE 4, BARO 1028.2, AIR TEMP. DRY 15.4, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	18.12	32.300	*****							0	18.12	32.300	*****	23.20	468	468	.0000
10	18.19	32.160	*****							10	18.19	32.160	*****	23.08	480	480	.0474
20	18.18	32.230	*****							20	18.18	32.230	*****	23.13	475	475	.0952
30	12.19	32.650	*****							30	12.19	32.650	*****	24.75	320	320	.1350
50	11.29	32.590	*****							50	11.29	32.590	*****	24.87	309	310	.1981
65	11.16	32.660	*****														

KOREA ,HAN RA SAN , STATION 308-08 , 36-19.8. N, 124-47.5. E, OCT.12.1981, 08.30 KST, DEPTH 75 , COLOR 3, TRANS. 14.0,
WAVE 3, SWELL 1, WIND SW 4, BARO 1027. , AIR TEMP. DRY 15.5, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	18.38	32.320	*****							0	18.38	32.320	*****	23.15	473	472	.0000
10	18.29	32.160	*****							10	18.29	32.160	*****	23.05	482	482	.0478
20	17.65	32.110	*****							20	17.65	32.110	*****	23.17	471	471	.0955

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	13.01	32.570	*****							30	13.01	32.570	*****	24.53	341	341	.1362
50	11.21	32.700	*****							50	11.21	32.700	*****	24.97	299	300	.2004
72	11.19	32.740	*****														

KOREA ,HAN RA SAN , STATION 308-09 , 36-19.8. N, 124-35.1. E, OCT.12.1981, 06.40 KST, DEPTH 83 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SW 4, BARO 1027. , AIR TEMP. DRY 15.0, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	18.99	32.140	*****							0	18.99	32.140	*****	22.86	500	500	.0000
10	19.01	32.070	*****							10	19.01	32.070	*****	22.81	506	506	.0503
20	19.05	32.110	*****							20	19.05	32.110	*****	22.83	504	504	.1009
30	18.51	32.120	*****							30	18.51	32.120	*****	22.97	490	491	.1507
50	11.38	32.680	*****							50	11.38	32.680	*****	24.92	304	304	.2303
80	10.52	32.770	*****							75	10.50	32.755	*****	25.14	283	284	.3040

KOREA ,HAN RA SAN , STATION 308-10 , 36-19.8. N, 124-23.0. E, OCT.12.1981, 04.55 KST, DEPTH 82 , COLOR , TRANS. . ,

WAVE 3, SWELL 1, WIND SW 4, BARO 1027. , AIR TEMP. DRY 15.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.09	32.200	*****							0	19.09	32.200	*****	22.88	498	498	.0000
10	19.14	32.140	*****							10	19.14	32.140	*****	22.83	504	504	.0501
20	19.17	32.140	*****							20	19.17	32.140	*****	22.82	505	505	.1006
30	18.62	32.500	*****							30	18.62	32.500	*****	23.23	465	466	.1492
50	11.46	32.650	*****							50	11.46	32.650	*****	24.89	307	308	.2267
79	10.29	32.790	*****							75	10.45	32.771	*****	25.16	281	283	.3006

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,HAN RA SAN , STATION 308-01 , 36-19.8. N, 126-14.4. E, DEC.11.1981, 06.00 KST, DEPTH 19 , COLOR , TRANS. . .

WAVE 4, SWELL 1, WIND NW 4, BARO 1026.4, AIR TEMP. DRY 4.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.62	32.360	*****	0	9.62	32.360	*****	24.98	299	298	.0000
10	9.32	32.290	*****	10	9.32	32.290	*****	24.97	299	299	.0299
15	9.38	32.380	*****								

KOREA ,HAN RA SAN , STATION 308-02 , 36-19.8. N, 126-02.3. E, DEC.11.1981, 04.25 KST, DEPTH 28 , COLOR , TRANS. . .

WAVE 3, SWELL 1, WIND NW 4, BARO 1027.3, AIR TEMP. DRY 5.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.49	32.340	*****	0	9.49	32.340	*****	24.98	298	298	.0000
10	9.38	32.300	*****	10	9.38	32.300	*****	24.97	299	299	.0299
20	9.38	32.320	*****	20	9.38	32.320	*****	24.98	298	298	.0598
25	9.42	32.270	*****								

KOREA ,HAN RA SAN , STATION 308-03 , 36-19.8. N, 125-50.0. E, DEC.11.1981, 02.40 KST, DEPTH 50 , COLOR , TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1028. , AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.59	32.480	*****	0	8.59	32.480	*****	25.23	274	274	.0000
10	9.39	32.520	*****	10	9.39	32.520	*****	25.14	283	283	.0279
20	9.29	32.500	*****	20	9.29	32.500	*****	25.14	283	283	.0563
30	9.22	32.470	*****	30	9.22	32.470	*****	25.13	284	285	.0847
45	9.38	32.500	*****								

KOREA ,HAN RA SAN , STATION 308-04 , 36-19.8. N, 125-37.0. E, DEC.11.1981, 01.00 KST, DEPTH 51 , COLOR , TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1028.6, AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.01	32.470	*****	0	9.01	32.470	*****	25.16	281	281	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	8.88	32.570	*****							10	8.88	32.570	*****	25.26	272	272	.0277
20	8.89	32.500	*****							20	8.89	32.500	*****	25.20	277	277	.0552
30	8.92	32.470	*****							30	8.92	32.470	*****	25.17	280	280	.0831
45	8.88	32.560	*****														

KOREA ,HAN RA SAN , STATION 308-05 , 36-19.8. N, 125-25.3. E, DEC.10.1981, 23.15 KST, DEPTH 52 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND S 3, BARO 1029. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.05	32.480	*****							0	9.05	32.480	*****	25.16	281	281	.0000
10	8.95	32.470	*****							10	8.95	32.470	*****	25.17	280	280	.0281
20	9.02	32.500	*****							20	9.02	32.500	*****	25.18	279	279	.0561
30	8.95	32.470	*****							30	8.95	32.470	*****	25.17	280	281	.0842
48	8.99	32.430	*****														

KOREA ,HAN RA SAN , STATION 308-06 , 36-19.8. N, 125-12.4. E, DEC.10.1981, 21.30 KST, DEPTH 56 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND S 3, BARO 1029. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.11	32.430	*****							0	9.11	32.430	*****	25.11	286	285	.0000
10	8.91	32.480	*****							10	8.91	32.480	*****	25.18	279	279	.0283
20	8.93	32.470	*****							20	8.93	32.470	*****	25.17	280	280	.0563
30	8.81	32.410	*****							30	8.81	32.410	*****	25.14	283	283	.0845
50	8.72	32.540	*****							50	8.72	32.540	*****	25.26	272	272	.1401

KOREA ,HAN RA SAN , STATION 308-07 , 36-19.8. N, 125-00.0. E, DEC.10.1981, 19.40 KST, DEPTH 69 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND S 3, BARO 1029. , AIR TEMP. DRY 6.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.92	32.410	*****							0	8.92	32.410	*****	25.13	284	284	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	8.72	32.410	*****							10	8.72	32.410	*****	25.16	281	281	.0283
20	8.59	32.430	*****							20	8.59	32.430	*****	25.19	278	278	.0563
30	8.59	32.450	*****							30	8.59	32.450	*****	25.21	277	277	.0841
50	8.49	32.700	*****							50	8.49	32.700	*****	25.42	257	257	.1376
65	8.58	32.630	*****														

KOREA ,HAN RA SAN , STATION 308-08 , 36-19.8. N, 124-47.5. E, DEC.10.1981, 17.55 KST, DEPTH 78 , COLOR , TRANS. . .

WAVE 3, SWELL 1, WIND SW 3, BARO 1029.8, AIR TEMP. DRY 6.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.78	32.470	*****							0	8.78	32.470	*****	25.20	278	278	.0000
10	8.51	32.360	*****							10	8.51	32.360	*****	25.15	282	282	.0280
20	8.71	32.390	*****							20	8.71	32.390	*****	25.14	283	283	.0563
30	8.69	32.630	*****							30	8.69	32.630	*****	25.33	265	265	.0838
50	8.01	32.720	*****							50	8.01	32.720	*****	25.51	248	249	.1352
75	7.98	32.760	*****							75	7.98	32.760	*****	25.54	245	246	.1972

KOREA ,HAN RA SAN , STATION 308-09 , 36-19.8. N, 124-35.1. E, DEC.10.1981, 16.05 KST, DEPTH 83 , COLOR 3, TRANS. 11.5,

WAVE 3, SWELL 1, WIND NW 3, BARO 1030. , AIR TEMP. DRY 7.2, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	8.85	32.380	*****							0	8.85	32.380	*****	25.11	286	285	.0000
10	8.89	32.320	*****							10	8.89	32.320	*****	25.06	291	291	.0288
20	8.81	32.360	*****							20	8.81	32.360	*****	25.10	287	287	.0577
30	8.72	32.380	*****							30	8.72	32.380	*****	25.13	284	284	.0863
50	8.64	32.540	*****							50	8.64	32.540	*****	25.27	271	271	.1419
80	7.80	32.810	*****							75	7.94	32.765	*****	25.55	244	245	.2066

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 308-10 , 36-19.8, N, 124-23.0, E, DEC.10.1981, 14.20 KST, DEPTH 79 , COLOR 3, TRANS. 12.0,																	
WAVE 3, SWELL 1, WIND NE 3, BARO 1030. , AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,																	
0	8.67	32.340	*****							0	8.67	32.340	*****	25.11	286	286	.0000
10	8.76	32.360	*****							10	8.76	32.360	*****	25.11	286	286	.0286
20	8.81	32.390	*****							20	8.81	32.390	*****	25.13	284	284	.0572
30	8.65	32.380	*****							30	8.65	32.380	*****	25.14	283	283	.0856
50	8.58	32.610	*****							50	8.58	32.610	*****	25.34	265	265	.1405
75	7.86	32.860	*****							75	7.86	32.860	*****	25.64	236	237	.2033

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OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,HAN RA SAN , STATION 309-01 , 35-51.3. N, 126-14.7. E, FEB.18.1981, 06.35 KST, DEPTH 29 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND SE 2, BARO 1025. , AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	3.32	31.910	*****	0	3.32	31.910	*****	25.42	257	256	.0000
10	3.35	31.920	*****	10	3.35	31.920	*****	25.42	256	256	.0257
20	3.48	31.920	*****	20	3.48	31.920	*****	25.41	257	257	.0514
27	3.52	31.920	*****								

KOREA ,HAN RA SAN , STATION 309-02 , 35-51.3. N, 126-02.0. E, FEB.18.1981, 08.20 KST, DEPTH 43 , COLOR 7, TRANS. 2.5,
WAVE 2, SWELL 1, WIND SE 2, BARO 1025. , AIR TEMP. DRY 4.2, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	3.50	31.920	*****	0	3.50	31.920	*****	25.41	257	257	.0000
10	3.61	31.940	*****	10	3.61	31.940	*****	25.42	257	257	.0257
20	3.60	31.920	*****	20	3.60	31.920	*****	25.40	258	258	.0515
30	3.50	31.940	*****	30	3.50	31.940	*****	25.43	256	256	.0773
41	3.51	31.890	*****								

KOREA ,HAN RA SAN , STATION 309-03 , 35-51.3. N, 125-49.3. E, FEB.18.1981, 10.00 KST, DEPTH 53 , COLOR 5, TRANS. 4.0,
WAVE 2, SWELL 1, WIND SW 2, BARO 1026. , AIR TEMP. DRY 4.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	4.05	32.030	*****	0	4.05	32.030	*****	25.45	254	254	.0000
10	4.03	32.020	*****	10	4.03	32.020	*****	25.44	255	254	.0255
20	4.10	32.030	*****	20	4.10	32.030	*****	25.44	255	254	.0510
30	4.12	32.020	*****	30	4.12	32.020	*****	25.43	256	255	.0765
50	4.20	31.980	*****	50	4.20	31.980	*****	25.39	259	259	.1281

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-04 , 35-51.3. N, 125-37.0. E, FEB.18.1981, 11.45 KST, DEPTH 58 , COLOR 5, TRANS. 5.0,

WAVE 2, SWELL 1, WIND SW 2, BARO 1026. , AIR TEMP. DRY 5.8, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	4.79	32.050	*****							0	4.79	32.050	*****	25.39	260	259	.0000
10	4.82	32.050	*****							10	4.82	32.050	*****	25.38	260	260	.0260
20	4.80	32.090	*****							20	4.80	32.090	*****	25.42	257	257	.0519
30	4.22	32.090	*****							30	4.22	32.090	*****	25.48	251	251	.0773
56	4.22	32.090	*****							50	4.22	32.090	*****	25.48	251	251	.1277

KOREA ,HAN RA SAN , STATION 309-05 , 35-51.3. N, 125-24.4. E, FEB.18.1981, 13.30 KST, DEPTH 70 , COLOR 4, TRANS. 6.0,

WAVE 2, SWELL 1, WIND SW 2, BARO 1025. , AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	4.82	32.200	*****							0	4.82	32.200	*****	25.50	249	249	.0000
10	4.68	32.250	*****							10	4.68	32.250	*****	25.56	244	243	.0246
20	4.70	32.250	*****							20	4.70	32.250	*****	25.55	244	244	.0491
30	4.79	32.230	*****							30	4.79	32.230	*****	25.53	246	246	.0736
50	4.87	32.230	*****							50	4.87	32.230	*****	25.52	247	247	.1230
68	4.32	32.230	*****														

KOREA ,HAN RA SAN , STATION 309-06 , 35-51.3. N, 125-12.3. E, FEB.18.1981, 15.20 KST, DEPTH 63 , COLOR 4, TRANS. 7.0,

WAVE 3, SWELL 2, WIND W 2, BARO 1024. , AIR TEMP. DRY 5.6, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	5.32	32.340	*****							0	5.32	32.340	*****	25.56	244	243	.0000
10	5.20	32.340	*****							10	5.20	32.340	*****	25.57	242	242	.0243
20	5.16	32.300	*****							20	5.16	32.300	*****	25.54	245	245	.0487
30	5.05	32.300	*****							30	5.05	32.300	*****	25.55	244	244	.0732
50	5.04	32.300	*****							50	5.04	32.300	*****	25.56	244	244	.1220
61	5.12	32.340	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-07 , 35-51.3. N, 125-00.0. E, FEB.18.1981, 17.05 KST, DEPTH 68 , COLOR 3, TRANS. 8.0.

WAVE 3, SWELL 2, WIND NW 3, BARO 1024.5, AIR TEMP. DRY 6.0, WET . , CLOUD. TYPE AS, AMT 7, WEATHER BC,

0	5.70	32.430	*****	0	5.70	32.430	*****	25.58	241	241	.0000
10	5.86	32.390	*****	10	5.86	32.390	*****	25.53	246	246	.0244
20	5.28	32.390	*****	20	5.28	32.390	*****	25.60	239	239	.0487
30	5.38	32.390	*****	30	5.38	32.390	*****	25.59	240	240	.0727
50	5.41	32.410	*****	50	5.41	32.410	*****	25.60	239	239	.1208
66	5.38	32.430	*****								

KOREA ,HAN RA SAN , STATION 309-08 , 35-51.3. N, 124-47.8. E, FEB.18.1981, 18.55 KST, DEPTH 84 , COLOR , TRANS. . .

WAVE 4, SWELL 2, WIND NW 4, BARO 1026. , AIR TEMP. DRY 5.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	5.75	32.430	*****	0	5.75	32.430	*****	25.58	242	241	.0000
10	5.50	32.410	*****	10	5.50	32.410	*****	25.59	240	240	.0241
20	5.40	32.430	*****	20	5.40	32.430	*****	25.62	238	238	.0480
30	5.50	32.450	*****	30	5.50	32.450	*****	25.62	237	237	.0718
50	5.50	32.480	*****	50	5.50	32.480	*****	25.65	235	235	.1192
80	5.51	32.450	*****	75	5.51	32.455	*****	25.63	237	237	.1784

KOREA ,HAN RA SAN , STATION 309-09 , 35-51.3. N, 124-35.1. E, FEB.18.1981, 20.40 KST, DEPTH 82 , COLOR , TRANS. . .

WAVE 4, SWELL 2, WIND NW 4, BARO 1026. , AIR TEMP. DRY 5.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	5.88	32.470	*****	0	5.88	32.470	*****	25.59	240	240	.0000
10	5.64	32.480	*****	10	5.64	32.480	*****	25.63	237	236	.0239
20	5.60	32.500	*****	20	5.60	32.500	*****	25.65	235	235	.0475
30	5.51	32.590	*****	30	5.51	32.590	*****	25.73	227	227	.0706

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	5.51	32.540	*****							50	5.51	32.540	*****	25.69	231	231	.1164
80	5.65	32.520	*****							75	5.63	32.523	*****	25.67	233	234	.1746

KOREA ,HAN PA SAN , STATION 309-10 , 35-51.3. N, 124-22.8. E, FEB.18.1981, 22.35 KST, DEPTH 87 , COLOR , TRANS. ,
WAVE 4, SWELL 2, WIND NW 5, BARO 1027. , AIR TEMP. DRY 5.0, WET , CLOUD. TYPE , AMT , WEATHER ,

0	6.15	32.570	*****	0	6.15	32.570	*****	25.64	236	235	.0000
10	6.05	32.610	*****	10	6.05	32.610	*****	25.68	232	231	.0234
20	5.90	32.680	*****	20	5.90	32.680	*****	25.78	225	224	.0462
30	5.85	32.660	*****	30	5.85	32.660	*****	25.75	225	225	.0688
50	6.00	32.680	*****	50	6.00	32.680	*****	25.74	226	226	.1140
75	6.00	32.680	*****	75	6.00	32.680	*****	25.74	226	226	.1707
85	6.03	32.700	*****								

4 월(April)

KOREA ,HAN PA SAN , STATION 309-01 , 35-51.3. N, 126-14.7. E, APR.14.1981, 14.15 KST, DEPTH 28 , COLOR 5, TRANS. 6.0,
WAVE 2, SWELL 1, WIND SW 2, BARO 1024.5, AIR TEMP. DRY 10.0, WET , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	7.00	32.120	*****	0	7.00	32.120	*****	25.18	280	279	.0000
10	6.30	32.160	*****	10	6.30	32.160	*****	25.30	268	268	.0274
20	6.18	32.170	*****	20	6.18	32.170	*****	25.32	266	266	.0542
25	5.90	32.170	*****								

KOREA ,HAN PA SAN , STATION 309-02 , 35-51.3. N, 126-02.0. E, APR.14.1981, 15.55 KST, DEPTH 44 , COLOR 5, TRANS. 7.0,
WAVE 2, SWELL 1, WIND SW 2, BARO 1023. , AIR TEMP. DRY 9.5, WET , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	8.10	32.170	*****	0	8.10	32.170	*****	25.06	291	290	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	6.12	32.170	*****							10	6.12	32.170	*****	25.33	265	265	.0278
20	5.92	32.160	*****							20	5.92	32.160	*****	25.34	264	264	.0543
30	5.62	32.170	*****							30	5.62	32.170	*****	25.39	260	260	.0805
40	5.50	32.170	*****														

KOREA ,HAN RA SAN , STATION 309-03 , 35-51.3. N, 125-49.3. E, APR.14.1981, 17.35 KST, DEPTH 52 , COLOR 3, TRANS. 10.0,
WAVE 2, SWELL 1, WIND SW 2, BARO 1025. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	7.90	32.270	*****	0	7.90	32.270	*****	25.17	280	280	.0000
10	6.10	32.270	*****	10	6.10	32.270	*****	25.41	258	257	.0269
20	5.35	32.300	*****	20	5.35	32.300	*****	25.52	247	247	.0522
30	5.32	32.320	*****	30	5.32	32.320	*****	25.56	245	245	.0768
48	5.28	32.340	*****								

KOREA ,HAN RA SAN , STATION 309-04 , 35-51.3. N, 125-37.0. E, APR.14.1981, 19.20 KST, DEPTH 59 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND SW 1, BARO 1023.5, AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.18	32.450	*****	0	8.18	32.450	*****	25.27	271	271	.0000
10	6.31	32.470	*****	10	6.31	32.470	*****	25.54	245	245	.0258
20	5.70	32.480	*****	20	5.70	32.480	*****	25.62	237	237	.0500
30	5.38	32.520	*****	30	5.38	32.520	*****	25.69	231	231	.0734
55	5.45	32.520	*****	50	5.44	32.520	*****	25.69	231	231	.1197

KOREA ,HAN RA SAN , STATION 309-05 , 35-51.3. N, 125-24.4. E, APR.14.1981, 21.00 KST, DEPTH 70 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND SW 1, BARO 1024. , AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.63	32.490	*****	0	7.63	32.490	*****	25.38	260	260	.0000
10	6.20	32.520	*****	10	6.20	32.520	*****	25.59	240	240	.0250

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	5.30	32.560	*****							20	5.30	32.560	*****	25.73	227	227	.0484
30	5.31	32.560	*****							30	5.31	32.560	*****	25.73	227	227	.0712
50	5.40	32.570	*****							50	5.40	32.570	*****	25.73	227	227	.1167
65	5.38	32.590	*****														

KOREA ,HAN RA SAN , STATION 309-06 , 35-51.3. N, 125-12.3. E, APR.14.1981, 22.45 KST, DEPTH 63 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SW 1, BARO 1023.5, AIR TEMP. DRY 8.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	8.20	32.540	*****							0	8.20	32.540	*****	25.54	264	264	.0000
10	7.40	32.540	*****							10	7.40	32.540	*****	25.45	254	253	.0259
20	5.52	32.590	*****							20	5.52	32.590	*****	25.73	227	227	.0500
30	5.40	32.590	*****							30	5.40	32.590	*****	25.74	226	226	.0727
50	5.50	32.630	*****							50	5.50	32.630	*****	25.76	224	224	.1177
60	5.42	32.630	*****														

KOREA ,HAN RA SAN , STATION 309-07 , 35-51.3. N, 125-00.0. E, APR.15.1981, 00.30 KST, DEPTH 68 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SW 2, BARO 1022. , AIR TEMP. DRY 8.2, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	8.40	32.590	*****							0	8.40	32.590	*****	25.35	264	263	.0000
10	6.65	32.630	*****							10	6.65	32.630	*****	25.62	237	237	.0251
20	5.80	32.680	*****							20	5.80	32.680	*****	25.77	223	223	.0481
30	5.79	32.720	*****							30	5.79	32.720	*****	25.80	220	220	.0704
50	5.90	32.760	*****							50	5.90	32.760	*****	25.82	219	219	.1144
65	5.85	32.740	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-08 , 35-51.3. N, 124-47.8. E, APR.15.1981, 02.20 KST, DEPTH 83 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND SE 2, BARO 1020. , AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.20	32.770	*****	0	9.20	32.770	*****	25.36	262	262	.0000
10	8.20	32.760	*****	10	8.20	32.760	*****	25.51	248	248	.0255
20	6.70	32.830	*****	20	6.70	32.830	*****	25.77	223	223	.0491
30	6.34	32.860	*****	30	6.34	32.860	*****	25.84	216	216	.0711
50	6.10	32.860	*****	50	6.10	32.860	*****	25.87	213	214	.1142
80	6.10	32.900	*****	75	6.10	32.893	*****	25.90	211	211	.1675

KOREA ,HAN RA SAN , STATION 309-09 , 35-51.3. N, 124-35.1. E, APR.15.1981, 04.05 KST, DEPTH 84 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SE 3, BARO 1019.5, AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.90	32.850	*****	0	8.90	32.850	*****	25.47	251	251	.0000
10	8.40	32.830	*****	10	8.40	32.830	*****	25.53	246	246	.0249
20	7.15	32.850	*****	20	7.15	32.850	*****	25.73	227	227	.0486
30	6.60	32.880	*****	30	6.60	32.880	*****	25.83	218	218	.0709
50	6.45	32.940	*****	50	6.45	32.940	*****	25.89	212	212	.1160
80	6.30	32.950	*****	75	6.32	32.948	*****	25.91	209	210	.1686

KOREA ,HAN RA SAN , STATION 309-10 , 35-51.3. N, 124-22.8. E, APR.15.1981, 05.55 KST, DEPTH 87 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SE 3, BARO 1019. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.40	32.880	*****	0	9.40	32.880	*****	25.42	257	256	.0000
10	9.45	32.880	*****	10	9.45	32.880	*****	25.41	257	257	.0257
20	8.92	32.900	*****	20	8.92	32.900	*****	25.51	248	248	.0511
30	8.65	32.880	*****	30	8.65	32.880	*****	25.54	246	246	.0758

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY
50	7.85	32.770	*****							50	7.85	32.770	*****	25.67	253	255	.1238
75	6.34	32.880	*****							75	6.34	32.880	*****	25.84	215	215	.1800
83	6.30	32.860	*****														

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KOREA ,HAN RA SAN , STATION 309-01 , 35-51.3. N, 126-14.7. E, JUN. 6,1981, 00.05 KST, DEPTH 29 , COLOR , TRANS. . .
WAVE 3, SWELL 1, WIND S 3, BARO 1012.9, AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.10	32.390	*****				0	15.10	32.390	*****	23.96	395	395	.0000
10	14.49	32.340	*****				10	14.49	32.340	*****	24.05	387	387	.0391
20	14.12	32.360	*****				20	14.12	32.360	*****	24.15	378	378	.0774
25	14.13	32.360	*****											

KOREA ,HAN RA SAN , STATION 309-02 , 35-51.3. N, 126-02.0. E, JUN. 6,1981, 01.45 KST, DEPTH 46 , COLOR , TRANS. . .
WAVE 3, SWELL 1, WIND S 3, BARO 1013.2, AIR TEMP. DRY 16.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.51	32.480	*****				0	15.51	32.480	*****	23.94	397	397	.0000
10	14.48	32.500	*****				10	14.48	32.500	*****	24.18	375	375	.0386
20	13.00	32.480	*****				20	13.00	32.480	*****	24.46	347	348	.0748
30	12.69	32.500	*****				30	12.69	32.500	*****	24.54	340	341	.1093
43	12.71	32.520	*****											

KOREA ,HAN RA SAN , STATION 309-03 , 35-51.3. N, 125-49.3. E, JUN. 6,1981, 03.25 KST, DEPTH 53 , COLOR , TRANS. . .
WAVE 3, SWELL 1, WIND S 3, BARO 1013.5, AIR TEMP. DRY 16.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	16.71	32.770	*****				0	16.71	32.770	*****	23.89	402	402	.0000
10	11.92	32.770	*****				10	11.92	32.770	*****	24.90	306	306	.0354
20	10.89	32.760	*****				20	10.89	32.760	*****	25.07	289	290	.0653

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	10.82	32.740	*****							30	10.82	32.740	*****	25.07	290	290	.0943
50	10.72	32.740	*****							50	10.72	32.740	*****	25.09	288	289	.1523

KOREA ,HAN RA SAN , STATION 309-04 , 35-51.3. N, 125-37.0. E, JUN. 6.1981, 05.10 KST, DEPTH 58 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND SW 4, BARO 1014. , AIR TEMP. DRY 16.1, WET . , CLOUD. TYPE , AMT , WEATHER BC,

0	17.20	32.880	*****							0	17.20	32.880	*****	23.86	405	404	.0000
10	9.80	32.790	*****							10	9.80	32.790	*****	25.28	270	269	.0337
20	9.49	32.760	*****							20	9.49	32.760	*****	25.31	267	267	.0606
30	9.39	32.760	*****							30	9.39	32.760	*****	25.33	265	266	.0873
55	9.43	32.760	*****							50	9.42	32.744	*****	25.31	267	268	.1408

KOREA ,HAN RA SAN , STATION 309-05 , 35-51.3. N, 125-24.4. E, JUN. 6.1981, 06.50 KST, DEPTH 69 , COLOR 3, TRANS. 12.0,
WAVE 3, SWELL 1, WIND SW 4, BARO 1014. , AIR TEMP. DRY 18.5, WET . , CLOUD. TYPE ST, AMT 3, WEATHER BC,

0	17.72	32.850	*****							0	17.72	32.850	*****	23.72	419	418	.0000
10	16.79	32.860	*****							10	16.79	32.860	*****	23.94	397	397	.0408
20	8.78	32.830	*****							20	8.78	32.830	*****	25.48	251	251	.0733
30	8.59	32.790	*****							30	8.59	32.790	*****	25.47	251	252	.0985
50	8.58	32.810	*****							50	8.58	32.810	*****	25.49	250	250	.1488
65	8.49	32.810	*****														

KOREA ,HAN RA SAN , STATION 309-06 , 35-51.3. N, 125-12.3. E, JUN. 6.1981, 08.40 KST, DEPTH 63 , COLOR 2, TRANS. 14.0,
WAVE 3, SWELL 1, WIND , BARO . , AIR TEMP. DRY . , WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.65	32.920	*****							0	17.65	32.920	*****	23.79	412	412	.0000
10	16.42	32.850	*****							10	16.42	32.850	*****	24.02	390	390	.0401
20	7.78	32.900	*****							20	7.78	32.900	*****	25.68	232	232	.0712

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	7.54	32.880	*****							30	7.54	32.880	*****	25.70	230	230	.0944
50	7.51	32.880	*****							50	7.51	32.880	*****	25.70	230	230	.1405
60	7.52	32.900	*****														

KOREA ,HAN RA SAN , STATION 309-07 , 35-51.3. N, 125-00.0. E, JUN. 6.1981, 10.25 KST, DEPTH 66 , COLOR 2, TRANS. 15.0,
WAVE 4, SWELL 1, WIND SW 4, BARO 1015.5, AIR TEMP. DRY 19.0, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	17.62	32.790	*****							0	17.62	32.790	*****	23.69	421	421	.0000
10	15.11	32.810	*****							10	15.11	32.810	*****	24.28	365	365	.0393
20	7.23	32.920	*****							20	7.23	32.920	*****	25.77	223	223	.0688
30	6.92	32.940	*****							30	6.92	32.940	*****	25.83	217	218	.0908
50	6.79	32.900	*****							50	6.79	32.900	*****	25.82	219	219	.1346
63	6.92	32.920	*****														

KOREA ,HAN RA SAN , STATION 309-08 , 35-51.3. N, 124-47.8. E, JUN. 6.1981, 12.05 KST, DEPTH 81 , COLOR 3, TRANS. 12.0,
WAVE 3, SWELL 1, WIND SW 4, BARO 1016. , AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	18.00	32.880	*****							0	18.00	32.880	*****	23.67	423	423	.0000
10	16.29	32.830	*****							10	16.29	32.830	*****	24.04	388	388	.0406
20	8.21	32.850	*****							20	8.21	32.850	*****	25.58	241	241	.0721
30	6.78	32.860	*****							30	6.78	32.860	*****	25.79	222	222	.0954
50	6.74	32.990	*****							50	6.74	32.990	*****	25.89	211	212	.1388
78	6.82	33.010	*****							75	6.81	33.008	*****	25.90	211	212	.1919

KOREA ,HAN RA SAN , STATION 309-09 , 35-51.3. N, 124-35.1. E, JUN. 6.1981, 13.50 KST, DEPTH 83 , COLOR 3, TRANS. 13.0,
WAVE 3, SWELL 1, WIND S 4, BARO 1015. , AIR TEMP. DRY 20.1, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	17.82	32.900	*****							0	17.82	32.900	*****	23.73	417	417	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	16.79	32.900	*****							10	16.79	32.900	*****	23.97	394	394	.0406
20	11.85	32.990	*****							20	11.85	32.990	*****	25.08	289	289	.0768
30	6.71	33.010	*****							30	6.71	33.010	*****	25.91	210	210	.0998
50	6.58	33.030	*****							50	6.58	33.030	*****	25.95	206	207	.1416
80	6.69	33.040	*****							75	6.67	33.038	*****	25.94	207	208	.1935

KOREA ,HAN RA SAN , STATION 309-10 , 35-51.3. N, 124-22.8. E, JUN. 6.1981, 15.40 KST, DEPTH 89 , COLOR 3, TRANS. 14.0,

WAVE 3, SWELL 1, WIND S 4, BARO 1015. , AIR TEMP. DRY 20.3, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	18.04	32.860	*****							0	18.04	32.860	*****	23.65	425	425	.0000
10	17.19	32.940	*****							10	17.19	32.940	*****	23.91	400	400	.0413
20	12.98	32.900	*****							20	12.98	32.900	*****	24.79	316	316	.0772
30	6.95	33.010	*****							30	6.95	33.010	*****	25.88	213	213	.1037
50	6.76	33.040	*****							50	6.76	33.040	*****	25.93	208	208	.1459
75	6.63	33.030	*****							75	6.63	33.030	*****	25.94	207	208	.1981
85	6.62	33.040	*****														

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KOREA ,HAN RA SAN , STATION 309-01 , 35-51.3. N, 126-14.7. E, AUG. 9.1981, 19.45 KST, DEPTH 29 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND W 2, BARO 1005. , AIR TEMP. DRY 26.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	24.10	31.820	*****							0	24.10	31.820	*****	21.23	656	656	.0000
10	22.93	31.890	*****							10	22.93	31.890	*****	21.62	619	619	.0638
20	22.32	31.910	*****							20	22.32	31.910	*****	21.81	601	601	.1249
26	22.25	32.050	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN PA SAN , STATION 309-02 , 35-51.3. N, 126-02.0. E, AUG. 9.1981, 21.25 KST, DEPTH 44 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND NW 2, BARO 1007. , AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	24.28	32.160	*****	0	24.28	32.160	*****	21.44	637	637	.0000
10	23.85	32.200	*****	10	23.85	32.200	*****	21.59	622	622	.0630
20	22.20	32.200	*****	20	22.20	32.200	*****	22.06	577	577	.1230
30	19.02	32.390	*****	30	19.02	32.390	*****	23.05	483	483	.1761
40	18.75	32.450	*****								

KOREA ,HAN PA SAN , STATION 309-03 , 35-51.3. N, 125-49.3. E, AUG. 9.1981, 23.05 KST, DEPTH 55 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND NW 2, BARO 1007. , AIR TEMP. DRY 26.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	25.60	32.290	*****	0	25.60	32.290	*****	21.14	665	665	.0000
10	22.61	32.230	*****	10	22.61	32.230	*****	21.97	586	586	.0626
20	20.31	32.300	*****	20	20.31	32.300	*****	22.65	521	521	.1180
30	18.43	32.480	*****	30	18.43	32.480	*****	23.26	462	463	.1672
52	17.23	32.560	*****	50	17.34	32.553	*****	23.58	432	433	.2569

KOREA ,HAN PA SAN , STATION 309-04 , 35-51.3. N, 125-37.0. E, AUG.10.1981, 00.50 KST, DEPTH 56 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND NE 2, BARO 1006.5, AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.00	32.340	*****	0	26.00	32.340	*****	21.05	674	673	.0000
10	21.70	32.320	*****	10	21.70	32.320	*****	22.29	555	555	.0615
20	17.52	32.500	*****	20	17.52	32.500	*****	23.50	440	440	.1113
30	16.50	32.610	*****	30	16.50	32.610	*****	23.82	409	409	.1538
53	16.05	32.650	*****	50	16.11	32.645	*****	23.94	398	399	.2367

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-05 , 35-51.3. N, 125-26.4. E, AUG.10,1981, 02.30 KST, DEPTH 67 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND NE 2, BARO 1006.5, AIR TEMP. DRY 26.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	25.78	32.270	*****		0	25.78	32.270	*****	21.07	672	672	.0000
10	24.10	32.300	*****		10	24.10	32.300	*****	21.59	622	622	.0647
20	15.35	32.700	*****		20	15.35	32.700	*****	24.15	378	378	.1148
30	15.00	32.740	*****		30	15.00	32.740	*****	24.25	368	368	.1521
50	14.68	32.770	*****		50	14.68	32.770	*****	24.34	359	360	.2250
64	13.68	32.830	*****									

KOREA ,HAN RA SAN , STATION 309-06 , 35-51.3. N, 125-12.3. E, AUG.10,1981, 04.20 KST, DEPTH 65 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND NE 2, BARO 1006.5, AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	25.78	32.320	*****		0	25.78	32.320	*****	21.11	669	668	.0000
10	25.10	32.290	*****		10	25.10	32.290	*****	21.29	651	651	.0660
20	16.00	32.740	*****		20	16.00	32.740	*****	24.03	389	389	.1180
30	12.50	32.830	*****		30	12.50	32.830	*****	24.83	312	313	.1532
50	12.55	32.880	*****		50	12.55	32.880	*****	24.86	310	311	.2156
62	12.42	32.880	*****									

KOREA ,HAN RA SAN , STATION 309-07 , 35-51.3. N, 125-00.0. E, AUG.10,1981, 06.05 KST, DEPTH 68 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND NE 2, BARO 1007. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.40	32.070	*****		0	26.40	32.070	*****	20.73	705	705	.0000
10	25.75	32.140	*****		10	25.75	32.140	*****	20.98	681	681	.0693
20	16.60	32.650	*****		20	16.60	32.650	*****	23.83	408	408	.1458
30	13.90	32.740	*****		30	13.90	32.740	*****	24.48	346	346	.1616

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	12.00	32.860	*****							50	12.00	32.860	*****	24.95	301	302	.2465
63	11.65	32.900	*****														

KOREA ,HAN RA SAN , STATION 309-08 , 35-51.3. N, 124-47.8. E, AUG.10.1981, 07.55 KST, DEPTH 80 , COLOR , TRANS. .

WAVE 2, SWELL 1, WIND NE 2, BARO 1007. , AIR TEMP. DRY 25.5, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	26.42	32.020	*****							0	26.42	32.020	*****	20.68	709	709	.0000
10	26.20	31.920	*****							10	26.20	31.920	*****	20.68	710	710	.0710
20	18.15	32.520	*****							20	18.15	32.520	*****	23.36	453	453	.1292
30	12.88	32.740	*****							30	12.88	32.740	*****	24.69	326	327	.1682
50	11.42	32.860	*****							50	11.42	32.860	*****	25.06	291	292	.2301
77	10.55	32.880	*****							75	10.61	32.879	*****	25.21	276	277	.3014

KOREA ,HAN RA SAN , STATION 309-09 , 35-51.3. N, 124-35.1. E, AUG.10.1981, 09.40 KST, DEPTH 81 , COLOR , TRANS. .

WAVE 2, SWELL 1, WIND S 2, BARO 1007.2, AIR TEMP. DRY 25.8, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	26.71	31.980	*****							0	26.71	31.980	*****	20.56	721	720	.0000
10	26.60	31.920	*****							10	26.60	31.920	*****	20.55	722	722	.0722
20	16.90	32.560	*****							20	16.90	32.560	*****	23.69	421	422	.1294
30	13.20	32.770	*****							30	13.20	32.770	*****	24.65	330	330	.1670
50	9.78	32.920	*****							50	9.78	32.920	*****	25.39	260	260	.2262
78	9.40	32.860	*****							75	9.44	32.866	*****	25.40	258	259	.2913

KOREA ,HAN RA SAN , STATION 309-10 , 35-51.3. N, 124-22.8. E, AUG.10.1981, 11.20 KST, DEPTH 86 , COLOR , TRANS. .

WAVE 2, SWELL 1, WIND SE 2, BARO 1007.5, AIR TEMP. DRY 26.2, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	26.90	32.000	*****							0	26.90	32.000	*****	20.52	725	725	.0000
10	26.62	31.890	*****							10	26.62	31.890	*****	20.52	725	725	.0725
20	19.60	32.500	*****							20	19.60	32.500	*****	22.98	489	489	.1332

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	14.10	32.700	*****							30	14.10	32.700	*****	24.41	352	353	.1754
50	10.82	32.810	*****							50	10.82	32.810	*****	25.12	285	285	.2393
75	9.90	32.880	*****							75	9.90	32.880	*****	25.34	264	266	.3083
83	9.40	32.880	*****														

10월 (October)

KOREA ,HAN PA SAN , STATION 309-01 , 35-51.3. N, 126-14.7. E, OCT.13.1981, 00.10 KST, DEPTH 29 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND SSE 3, BARO 1025. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER .

0	18.29	31.740	*****						0	18.29	31.740	*****	22.73	513	513	.0000
10	18.19	31.940	*****						10	18.19	31.940	*****	22.91	496	496	.0505
20	18.02	31.730	*****						20	18.02	31.730	*****	22.79	507	508	.1007
26	17.83	31.830	*****													

KOREA ,HAN PA SAN , STATION 309-02 , 35-51.3. N, 126-02.0. E, OCT.13.1981, 01.50 KST, DEPTH 46 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND NE 3, BARO 1025. , AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	18.98	31.920	*****						0	18.98	31.920	*****	22.70	516	516	.0000
10	17.68	31.980	*****						10	17.68	31.980	*****	23.06	481	481	.0499
20	17.50	32.020	*****						20	17.50	32.020	*****	23.14	474	475	.0977
30	16.69	32.180	*****						30	16.69	32.180	*****	23.45	445	445	.1438
43	16.62	32.180	*****													

KOREA ,HAN PA SAN , STATION 309-03 , 35-51.3. N, 125-49.3. E, OCT.13.1981, 03.30 KST, DEPTH 54 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND NE 3, BARO 1023.5, AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	18.09	31.980	*****						0	18.09	31.980	*****	22.96	491	490	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	17.82	32.290	*****							10	17.82	32.290	*****	23.27	462	462	.0477
20	16.55	32.300	*****							20	16.55	32.300	*****	23.57	433	433	.0925
30	15.91	32.390	*****							30	15.91	32.390	*****	23.78	412	413	.1348
50	15.61	32.320	*****							50	15.61	32.320	*****	23.80	411	412	.2174

KOREA ,HAN RA SAN , STATION 309-04 , 35-51.3. N, 125-37.0. E, OCT.13.1981, 05.15 KST, DEPTH 56 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NE 3, BARO 1022. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.65	32.180	*****							0	18.65	32.180	*****	22.98	489	489	.0000
10	18.29	32.180	*****							10	18.29	32.180	*****	23.07	481	481	.0485
20	17.51	32.200	*****							20	17.51	32.200	*****	23.27	461	462	.0957
30	14.59	32.410	*****							30	14.59	32.410	*****	24.09	383	384	.1380
53	14.51	32.450	*****							50	14.52	32.445	*****	24.13	380	380	.2166

KOREA ,HAN RA SAN , STATION 309-05 , 35-51.3. N, 125-24.4. E, OCT.13.1981, 07.00 KST, DEPTH 71 , COLOR 4, TRANS. 9.0,

WAVE 2, SWELL 1, WIND N 3, BARO 1022.5, AIR TEMP. DRY 15.2. WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.55	32.120	*****							0	18.55	32.120	*****	22.96	491	491	.0000
10	18.29	32.090	*****							10	18.29	32.090	*****	23.00	487	487	.0490
20	18.38	32.210	*****							20	18.36	32.210	*****	23.07	481	481	.0974
30	18.14	32.290	*****							30	18.14	32.290	*****	23.19	469	470	.1450
50	14.89	32.570	*****							50	14.89	32.570	*****	24.15	378	379	.2300
68	13.92	32.630	*****														

KOREA ,HAN RA SAN , STATION 309-06 , 35-51.3. N, 125-12.3. E, OCT.13.1981, 08.50 KST, DEPTH 65 , COLOR 3, TRANS. 11.0,

WAVE 2, SWELL 1, WIND NE 3, BARO 1022.5, AIR TEMP. DRY 15.6. WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.46	32.250	*****							0	18.46	32.250	*****	23.08	480	479	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	18.29	32.160	*****							10	18.29	32.160	*****	23.05	482	482	.0481
20	18.09	32.020	*****							20	18.09	32.020	*****	22.99	488	488	.0967
30	17.82	32.000	*****							30	17.82	32.000	*****	23.04	483	484	.1453
50	15.39	32.450	*****							50	15.39	32.450	*****	23.95	397	398	.2336
62	11.58	32.680	*****														

KOREA ,HAN RA SAN , STATION 309-07 , 35-51.3. N, 125-00.0. E, OCT.13.1981, 10.35 KST, DEPTH 67 , COLOR 3, TRANS. 10.0,
WAVE 2, SWELL 1, WIND NE 3, BARO 1023. , AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	19.05	32.090	*****	0	19.05	32.090	*****	22.81	505	505	.0000
10	18.62	32.030	*****	10	18.62	32.030	*****	22.87	499	499	.0503
20	18.38	32.030	*****	20	18.38	32.030	*****	22.93	494	494	.1000
30	17.60	32.160	*****	30	17.60	32.160	*****	23.22	466	467	.1481
50	12.35	32.570	*****	50	12.35	32.570	*****	24.66	329	330	.2278
64	11.14	32.760	*****								

KOREA ,HAN RA SAN , STATION 309-08 , 35-51.3. N, 126-47.8. E, OCT.13.1981, 12.25 KST, DEPTH 81 , COLOR 3, TRANS. 13.0,
WAVE 3, SWELL 1, WIND N 4, BARO 1023. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	19.23	32.140	*****	0	19.23	32.140	*****	22.80	506	506	.0000
10	18.82	32.090	*****	10	18.82	32.090	*****	22.87	500	500	.0503
20	18.69	32.070	*****	20	18.89	32.070	*****	22.86	503	503	.1005
30	18.85	32.070	*****	30	18.85	32.070	*****	22.85	502	503	.1509
50	14.35	32.450	*****	50	14.35	32.450	*****	24.17	376	377	.2389
78	11.49	32.770	*****	75	11.80	32.736	*****	24.89	307	308	.3246

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY

KOREA ,HAN PA SAN , STATION 309-09 , 35-51.3. N, 124-35.1. E, OCT.13.1981, 14.10 KST, DEPTH 82 , COLOR 3, TRANS. 13.5,
WAVE 3, SWELL 1, WIND N 4, BARO 1022. , AIR TEMP. DRY 17.2. WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	19.41	32.230	*****	0	19.41	32.230	*****	22.83	504	505	.0000
10	18.99	32.160	*****	10	18.99	32.160	*****	22.88	499	499	.0502
20	18.73	32.270	*****	20	18.73	32.270	*****	23.03	485	485	.0994
30	17.79	32.500	*****	30	17.79	32.500	*****	23.43	446	446	.1460
50	13.26	32.810	*****	50	13.26	32.810	*****	24.67	328	329	.2236
78	8.19	32.970	*****	75	8.73	32.953	*****	25.58	241	242	.2952

KOREA ,HAN PA SAN , STATION 309-10 , 35-51.3. N, 124-22.8. E, OCT.13.1981, 16.00 KST, DEPTH 86 , COLOR 3, TRANS. 13.0,
WAVE 3, SWELL 1, WIND N 4, BARO 1022. , AIR TEMP. DRY 17.1. WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	20.10	32.290	*****	0	20.10	32.290	*****	22.69	516	516	.0000
10	19.95	32.200	*****	10	19.95	32.200	*****	22.67	519	519	.0518
20	19.89	32.210	*****	20	19.89	32.210	*****	22.69	517	517	.1037
30	18.45	32.470	*****	30	18.45	32.470	*****	23.25	463	464	.1528
50	13.99	32.770	*****	50	13.99	32.770	*****	24.49	345	346	.2339
75	10.62	32.880	*****	75	10.62	32.880	*****	25.21	276	277	.3120
83	9.19	32.920	*****								

12월(December)

KOREA ,HAN PA SAN , STATION 309-01 , 35-51.3. N, 126-14.7. E, DEC.11.1981, 10.00 KST, DEPTH 29 , COLOR 4, TRANS. 6.0,
WAVE 4, SWELL 1, WIND NW 4, BARO 1026.1, AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE AS. AMT 8. WEATHER C .

0	8.89	32.470	*****	0	8.89	32.470	*****	25.18	280	279	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	9.51	32.480	*****							10	9.51	32.480	*****	25.09	288	288	.0284
20	9.65	32.450	*****							20	9.65	32.450	*****	25.04	292	292	.0575
25	9.54	32.470	*****														

KOREA ,HAN RA SAN , STATION 309-02 , 35-51.3. N, 126-02.0. E, DEC.11.1981, 11.40 KST, DEPTH 46 , COLOR 4, TRANS. 7.0.

WAVE 4, SWELL 2, WIND NW 4, BARO 1026. , AIR TEMP. DRY 8.6, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	9.75	32.500	*****							0	9.75	32.500	*****	25.07	290	290	.0000
10	9.72	32.500	*****							10	9.72	32.500	*****	25.07	290	290	.0290
20	9.59	32.520	*****							20	9.59	32.520	*****	25.11	286	286	.0579
30	9.62	32.540	*****							30	9.82	32.540	*****	25.08	288	289	.0867
40	9.79	32.500	*****														

KOREA ,HAN RA SAN , STATION 309-03 , 35-51.3. N, 125-49.3. E, DEC.16.1981, 00.10 KST, DEPTH 52 , COLOR , TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1036.6, AIR TEMP. DRY 2.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.71	32.570	*****							0	8.71	32.570	*****	25.28	269	269	.0000
10	8.98	32.540	*****							10	8.98	32.540	*****	25.22	276	275	.0273
20	8.95	32.520	*****							20	8.95	32.520	*****	25.21	277	277	.0549
30	9.00	32.520	*****							30	9.00	32.520	*****	25.20	277	278	.0827
48	9.02	32.540	*****														

KOREA ,HAN RA SAN , STATION 309-04 , 35-51.3. N, 125-37.0. E, DEC.16.1981, 01.55 KST, DEPTH 60 , COLOR , TRANS. . .

WAVE 3, SWELL 1, WIND NW 3, BARO 1036.6, AIR TEMP. DRY 2.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.62	32.570	*****							0	8.62	32.570	*****	25.30	268	268	.0000
10	8.95	32.560	*****							10	8.95	32.560	*****	25.24	274	274	.0271
20	9.09	32.570	*****							20	9.09	32.570	*****	25.23	275	275	.0546

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	9.19	32.590	*****							30	9.19	32.590	*****	25.23	275	275	.0822
55	9.21	32.590	*****							50	9.21	32.590	*****	25.22	275	276	.1374

KOREA ,HAN RA SAN , STATION 309-05 , 35-51.3. N, 125-24.4. E, DEC.16.1981, 03.35 KST, DEPTH 70 , COLOR , TRANS. , ,
WAVE 3, SWELL 1, WIND W 3, BARO 1036.5, AIR TEMP. DRY 2.9, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	9.05	32.610	*****						0	9.05	32.610	*****	25.26	271	271	.0000
10	9.10	32.570	*****						10	9.10	32.570	*****	25.22	275	275	.0274
20	9.13	32.610	*****						20	9.13	32.610	*****	25.25	273	273	.0548
30	9.09	32.650	*****						30	9.09	32.650	*****	25.29	269	269	.0820
50	8.96	32.630	*****						50	8.96	32.630	*****	25.29	269	269	.1359
65	9.04	32.570	*****													

KOREA ,HAN RA SAN , STATION 309-06 , 35-51.3. N, 125-12.3. E, DEC.16.1981, 05.25 KST, DEPTH 64 , COLOR , TRANS. , ,
WAVE 3, SWELL 1, WIND NW 3, BARO 1036.5, AIR TEMP. DRY 3.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	8.29	32.630	*****						0	8.29	32.630	*****	25.39	259	259	.0000
10	8.88	32.680	*****						10	8.88	32.680	*****	25.34	264	264	.0262
20	8.99	32.680	*****						20	8.99	32.680	*****	25.33	265	265	.0527
30	8.89	32.700	*****						30	8.89	32.700	*****	25.36	262	263	.0791
50	9.08	32.630	*****						50	9.08	32.630	*****	25.27	270	271	.1326
60	9.13	32.650	*****													

KOREA ,HAN RA SAN , STATION 309-07 , 35-51.3. N, 125-00.0. E, DEC.16.1981, 07.10 KST, DEPTH 69 , COLOR , TRANS. , ,
WAVE 3, SWELL 1, WIND NW 3, BARO 1036.5, AIR TEMP. DRY 3.4, WET , , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	8.91	32.680	*****						0	8.91	32.680	*****	25.34	264	264	.0000
10	8.99	32.720	*****						10	8.99	32.720	*****	25.36	262	262	.0264

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	9.05	32.680	*****							20	9.05	32.680	*****	25.32	266	266	.0528
30	8.99	32.680	*****							30	8.99	32.680	*****	25.33	265	266	.0795
50	8.95	32.720	*****							50	8.95	32.720	*****	25.36	262	262	.1324
65	8.98	32.700	*****														

KOREA ,HAN RA SAN , STATION 309-08 , 35-51.3, N, 124-47.8, E, DEC.16,1981, 09.00 KST, DEPTH 82 , COLOR 3, TRANS. 13.0,
WAVE 3, SWELL 1, WIND NW 3, BARO 1036.5, AIR TEMP. DRY 4.0, WET . , CLOUD. TYPE ST, AMT 10, WEATHER C ,

0	8.59	32.740	*****							0	8.59	32.740	*****	25.44	255	255	.0000
10	8.61	32.700	*****							10	8.61	32.700	*****	25.40	258	258	.0257
20	8.51	32.720	*****							20	8.51	32.720	*****	25.43	255	255	.0514
30	8.72	32.660	*****							30	8.72	32.660	*****	25.35	263	263	.0774
50	8.62	32.720	*****							50	8.62	32.720	*****	25.41	257	258	.1296
75	8.59	32.760	*****							75	8.59	32.760	*****	25.45	254	255	.1937

KOREA ,HAN RA SAN , STATION 309-09 , 35-51.3, N, 124-35.1, E, DEC.16,1981, 10.45 KST, DEPTH 81 , COLOR 3, TRANS. 14.5,
WAVE 3, SWELL 1, WIND NE 3, BARO 1036.5, AIR TEMP. DRY 4.3, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	8.32	32.770	*****							0	8.32	32.770	*****	25.50	249	249	.0000
10	8.45	32.740	*****							10	8.45	32.740	*****	25.46	253	253	.0251
20	8.39	32.700	*****							20	8.39	32.700	*****	25.43	255	255	.0506
30	8.48	32.770	*****							30	8.48	32.770	*****	25.48	251	251	.0760
50	8.42	32.810	*****							50	8.42	32.810	*****	25.52	247	248	.1260
75	8.35	32.770	*****							75	8.35	32.770	*****	25.49	249	250	.1884

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 309-10 , 35-51.3. N, 124-22.8. E, DEC.16.1981, 12.35 KST, DEPTH 88 , COLOR 3, TRANS. 12.0.

WAVE 3, SWELL 1, WIND NE 4, BARO 1039. , AIR TEMP. DRY 10.5, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C .

0	8.20	32.850	*****							0	8.20	32.850	*****	25.58	241	241	.0000
10	8.35	32.740	*****							10	8.35	32.740	*****	25.47	252	251	.0247
20	8.31	32.740	*****							20	8.31	32.740	*****	25.48	251	251	.0499
30	8.44	32.790	*****							30	8.44	32.790	*****	25.50	249	249	.0749
50	8.41	32.810	*****							50	8.41	32.810	*****	25.52	247	248	.1247
75	8.09	32.810	*****							75	8.09	32.810	*****	25.56	243	244	.1863
85	8.10	32.790	*****														

310선 해양관측 성적

Oceanographic Data. Line 310

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,HAN RA SAN , STATION 310-03 , 35-20.1. N, 125-49.3. E, FEB.19.1981, 15.55 KST, DEPTH 28 , COLOR 7, TRANS. 2.0,

WAVE 3, SWELL 2, WIND NW 3, BARO 1025.5, AIR TEMP. DRY 1.2, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	3.50	31.980	*****	0	3.50	31.980	*****	25.46	253	253	.0000
10	3.20	31.940	*****	10	3.20	31.940	*****	25.45	253	253	.0253
20	3.35	31.910	*****	20	3.35	31.910	*****	25.42	257	257	.0509
26	3.45	31.940	*****								

KOREA ,HAN RA SAN , STATION 310-04 , 35-20.1. N, 125-36.5. E, FEB.19.1981, 14.15 KST, DEPTH 57 , COLOR 6, TRANS. 3.5,

WAVE 3, SWELL 2, WIND NW 3, BARO 1025.5, AIR TEMP. DRY 2.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	4.48	32.210	*****	0	4.48	32.210	*****	25.54	245	244	.0000
10	4.38	32.210	*****	10	4.38	32.210	*****	25.56	244	243	.0244
20	4.30	32.180	*****	20	4.30	32.180	*****	25.54	245	245	.0489
30	4.40	32.180	*****	30	4.40	32.180	*****	25.53	246	246	.0735
55	4.30	32.140	*****	50	4.32	32.148	*****	25.51	248	248	.1230

KOREA ,HAN RA SAN , STATION 310-05 , 35-20.1. N, 125-24.4. E, FEB.19.1981, 12.25 KST, DEPTH 70 , COLOR 5, TRANS. 4.0,

WAVE 4, SWELL 2, WIND N 4, BARO 1027.5, AIR TEMP. DRY 1.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	5.40	32.340	*****	0	5.40	32.340	*****	25.55	244	244	.0000
10	5.18	32.360	*****	10	5.18	32.360	*****	25.59	241	240	.0243
20	5.30	32.360	*****	20	5.30	32.360	*****	25.57	242	242	.0484
30	5.30	32.320	*****	30	5.30	32.320	*****	25.54	245	245	.0728
50	5.31	32.360	*****	50	5.31	32.360	*****	25.57	242	242	.1216
68	5.30	32.380	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN PA SAN , STATION 310-06 , 35-20.1. N, 125-12.1. E, FEB.19.1981, 10.40 KST, DEPTH 72 , COLOR 4, TRANS. 5.0,																	
WAVE 4, SWELL 2, WIND N 4, BARO 1028. , AIR TEMP. DRY .7, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	5.75	32.410	*****							0	5.75	32.410	*****	25.56	243	243	.0000
10	5.82	32.410	*****							10	5.82	32.410	*****	25.55	244	244	.0244
20	5.85	32.430	*****							20	5.85	32.430	*****	25.57	243	243	.0487
30	5.70	32.430	*****							30	5.70	32.430	*****	25.58	241	241	.0730
50	5.70	32.390	*****							50	5.70	32.390	*****	25.55	244	244	.1216
70	5.85	32.390	*****														
KOREA ,HAN PA SAN , STATION 310-07 , 35-20.1. N, 125-00.0. E, FEB.19.1981, 08.50 KST, DEPTH 81 , COLOR 3, TRANS. 8.0,																	
WAVE 4, SWELL 2, WIND NW 5, BARO 1028. , AIR TEMP. DRY .5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	5.92	32.480	*****							0	5.92	32.480	*****	25.60	240	239	.0000
10	5.85	32.450	*****							10	5.85	32.450	*****	25.58	241	241	.0241
20	5.82	32.430	*****							20	5.82	32.430	*****	25.57	242	242	.0483
30	5.90	32.480	*****							30	5.90	32.480	*****	25.60	240	240	.0724
50	6.00	32.430	*****							50	6.00	32.430	*****	25.55	244	245	.1210
79	5.92	32.410	*****							75	5.93	32.413	*****	25.54	245	245	.1823
KOREA ,HAN PA SAN , STATION 310-08 , 35-20.1. N, 125-47.9. E, FEB.19.1981, 07.00 KST, DEPTH 86 , COLOR 3, TRANS. 7.0,																	
WAVE 4, SWELL 2, WIND , BARO . , AIR TEMP. DRY . , WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	5.60	32.470	*****							0	5.60	32.470	*****	25.63	237	237	.0000
10	5.82	32.450	*****							10	5.82	32.450	*****	25.58	241	241	.0239
20	5.90	32.390	*****							20	5.90	32.390	*****	25.53	246	246	.0483
30	5.88	32.430	*****							30	5.88	32.430	*****	25.56	243	243	.0728
50	5.80	32.450	*****							50	5.80	32.450	*****	25.59	241	241	.1213

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
75	5.82	32.470	*****							75	5.82	32.470	*****	25.60	239	240	.1815
84	5.98	32.480	*****														

KOREA ,HAN PA SAN , STATION 310-09 , 35-20.1. N, 124-35.6. E, FEB.19.1981, 05.05 KST, DEPTH 90 , COLOR , TRANS. . ,
WAVE 4, SWELL 2, WIND NW 5, BARO 1027.5, AIR TEMP. DRY 1.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	6.00	32.540	*****						0	6.00	32.540	*****	25.63	236	236	.0000
10	5.95	32.480	*****						10	5.95	32.480	*****	25.59	240	240	.0238
20	5.82	32.500	*****						20	5.82	32.500	*****	25.62	237	237	.0477
30	5.62	32.470	*****						30	5.62	32.470	*****	25.62	237	237	.0715
50	5.90	32.480	*****						50	5.90	32.480	*****	25.60	240	240	.1193
75	6.00	32.500	*****						75	6.00	32.500	*****	25.60	239	240	.1793
87	5.98	32.500	*****														

KOREA ,HAN PA SAN , STATION 310-10 , 35-20.1. N, 124-23.5. E, FEB.19.1981, 03.15 KST, DEPTH 90 , COLOR , TRANS. . ,
WAVE 4, SWELL 2, WIND NW 5, BARO 1027.2, AIR TEMP. DRY 2.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	5.89	32.660	*****						0	5.89	32.660	*****	25.74	226	226	.0000
10	6.05	32.650	*****						10	6.05	32.650	*****	25.71	229	228	.0227
20	6.04	32.650	*****						20	6.04	32.650	*****	25.72	228	228	.0456
30	6.06	32.650	*****						30	6.06	32.650	*****	25.71	229	229	.0685
50	5.95	32.660	*****						50	5.95	32.660	*****	25.73	227	227	.1142
75	6.02	32.610	*****						75	6.02	32.610	*****	25.69	231	232	.1716
87	6.15	32.570	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

4 월 (April)

KOREA ,HAN RA SAN , STATION 310-03 , 35-20.1. N, 125-49.3. E, APR.15.1981, 23.10 KST, DEPTH 28 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND N 2, BARO 1012. , AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.70	32.390	*****	0	7.70	32.390	*****	25.29	269	268	.0000
10	6.41	32.340	*****	10	6.41	32.340	*****	25.43	256	256	.0263
20	5.40	32.410	*****	20	5.40	32.410	*****	25.60	239	239	.0511
25	5.40	32.450	*****								

KOREA ,HAN RA SAN , STATION 310-04 , 35-20.1. N, 125-36.5. E, APR.15.1981, 21.30 KST, DEPTH 60 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND SE 1, BARO 1012.5, AIR TEMP. DRY 9.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.20	32.480	*****	0	7.20	32.480	*****	25.43	255	255	.0000
10	6.10	32.480	*****	10	6.10	32.480	*****	25.57	242	242	.0249
20	5.20	32.500	*****	20	5.20	32.500	*****	25.70	230	230	.0485
30	5.60	32.500	*****	30	5.60	32.500	*****	25.65	235	235	.0718
57	5.50	32.500	*****	50	5.53	32.500	*****	25.66	234	234	.1188

KOREA ,HAN RA SAN , STATION 310-05 , 35-20.1. N, 125-24.4. E, APR.15.1981, 19.40 KST, DEPTH 70 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND SE 1, BARO 1013. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	7.62	32.570	*****	0	7.62	32.570	*****	25.44	254	254	.0000
10	6.12	32.560	*****	10	6.12	32.560	*****	25.63	236	236	.0245
20	5.61	32.570	*****	20	5.61	32.570	*****	25.70	229	229	.0479
30	5.50	32.590	*****	30	5.50	32.590	*****	25.73	227	227	.0707
50	5.60	32.590	*****	50	5.60	32.590	*****	25.72	228	228	.1163
67	5.53	32.570	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN PA SAN , STATION 310-06 , 35-20.1. N, 125-12.1. E, APR.15.1981, 17.55 KST, DEPTH 73 , COLOR 3, TRANS. 12.0.																	
WAVE 2, SWELL 1, WIND SE 2, BARO 1013. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	8.45	32.650	*****							0	8.45	32.650	*****	25.39	260	259	.0000
10	8.03	32.610	*****							10	8.03	32.610	*****	25.42	257	257	.0259
20	5.82	32.650	*****							20	5.82	32.650	*****	25.74	226	226	.0500
30	5.55	32.660	*****							30	5.55	32.660	*****	25.78	222	222	.0725
50	5.70	32.680	*****							50	5.70	32.680	*****	25.78	222	222	.1170
70	5.75	32.720	*****														
KOREA ,HAN PA SAN , STATION 310-07 , 35-20.1. N, 125-00.0. E, APR.15.1981, 16.05 KST, DEPTH 80 , COLOR 3, TRANS. 14.0.																	
WAVE 2, SWELL 1, WIND SE 2, BARO 1015. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	8.68	32.720	*****							0	8.68	32.720	*****	25.41	258	258	.0000
10	8.60	32.650	*****							10	8.60	32.650	*****	25.36	262	262	.0260
20	9.00	32.760	*****							20	9.00	32.760	*****	25.39	260	260	.0521
30	7.48	32.810	*****							30	7.48	32.810	*****	25.65	234	235	.0769
50	6.10	32.860	*****							50	6.10	32.860	*****	25.87	213	214	.1218
77	6.12	32.860	*****							75	6.12	32.860	*****	25.87	214	214	.1754
KOREA ,HAN PA SAN , STATION 310-08 , 35-20.1. N, 125-47.9. E, APR.15.1981, 14.15 KST, DEPTH 86 , COLOR 3, TRANS. 13.0.																	
WAVE 2, SWELL 1, WIND SE 2, BARO 1015.5, AIR TEMP. DRY 11.0, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	9.60	32.810	*****							0	9.60	32.810	*****	25.33	265	265	.0000
10	8.85	32.830	*****							10	8.85	32.830	*****	25.47	252	252	.0259
20	7.83	32.860	*****							20	7.83	32.860	*****	25.64	235	235	.0503
30	6.90	32.950	*****							30	6.90	32.950	*****	25.84	216	217	.0730

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	6.42	32.940	*****							50	6.42	32.940	*****	25.90	211	212	.1159
75	6.38	32.970	*****							75	6.38	32.970	*****	25.92	209	209	.1686
83	6.32	32.970	*****														

KOREA ,HAN RA SAN , STATION 310-09 , 35-20.1. N, 124-35.6. E, APR.15.1981, 12.20 KST, DEPTH 90 , COLOR 3, TRANS. 11.0,

WAVE 3, SWELL 2, WIND SE 3, BARO 1010. , AIR TEMP. DRY 10.4, WET . , CLOUD. TYPE AS, AMT 8, WEATHER C ,

0	9.80	32.880	*****							0	9.80	32.880	*****	25.35	263	263	.0000
10	8.90	32.880	*****							10	8.90	32.880	*****	25.50	249	249	.0456
20	8.30	32.850	*****							20	8.30	32.850	*****	25.56	243	243	.0503
30	6.72	32.920	*****							30	6.72	32.920	*****	25.84	216	217	.0733
50	6.45	32.940	*****							50	6.45	32.940	*****	25.89	212	212	.1162
75	6.40	32.960	*****							75	6.40	32.940	*****	25.90	211	212	.1693
87	6.35	32.990	*****														

KOREA ,HAN RA SAN , STATION 310-10 , 35-20.1. N, 124-23.5. E, APR.15.1981, 10.30 KST, DEPTH 88 , COLOR 3, TRANS. 10.0,

WAVE 3, SWELL 2, WIND , BARO . , AIR TEMP. DRY . , WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.80	32.900	*****							0	9.80	32.900	*****	25.37	261	261	.0000
10	8.82	32.880	*****							10	8.82	32.880	*****	25.51	248	248	.0255
20	8.32	32.860	*****							20	8.32	32.860	*****	25.57	242	242	.0501
30	8.05	32.860	*****							30	8.05	32.860	*****	25.61	238	239	.0742
50	6.90	32.850	*****							50	6.90	32.850	*****	25.76	224	224	.1206
75	6.38	32.850	*****							75	6.38	32.850	*****	25.83	218	218	.1760
85	6.30	32.900	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

6 월 (June)

KOREA ,HAN PA SAN , STATION 310-03 , 35-20.1. N, 125-49.3. E, JUN. 7.1981, 09.00 KST, DEPTH 27 , COLOR 5, TRANS. 7.0,

WAVE 3, SWELL 1, WIND SW 4, BARO 1019.5, AIR TEMP. DRY 19.8, WET . , CLOUD. TYPE AS, AMT 2, WEATHER B ,

0	17.09	32.860	*****	0	17.09	32.860	*****	23.87	404	403	.0000
10	14.35	32.850	*****	10	14.35	32.850	*****	24.48	346	346	.0375
20	13.90	32.920	*****	20	13.90	32.920	*****	24.62	332	333	.0715
25	11.28	32.970	*****								

KOREA ,HAN PA SAN , STATION 310-04 , 35-20.1. N, 125-36.5. E, JUN. 7.1981, 07.20 KST, DEPTH 59 , COLOR 4, TRANS. 9.0,

WAVE 3, SWELL 1, WIND SW 4, BARO 1018.9, AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	18.10	32.940	*****	0	18.10	32.940	*****	23.69	421	421	.0000
10	13.45	32.990	*****	10	13.45	32.990	*****	24.77	319	318	.0370
20	9.91	32.970	*****	20	9.91	32.970	*****	25.40	258	258	.0659
30	9.29	32.940	*****	30	9.29	32.940	*****	25.48	251	251	.0914
50	8.62	32.950	*****	50	8.77	32.948	*****	25.57	242	243	.1408

KOREA ,HAN PA SAN , STATION 310-05 , 35-20.1. N, 125-24.4. E, JUN. 7.1981, 05.30 KST, DEPTH 71 , COLOR 3, TRANS. 11.0,

WAVE 3, SWELL 1, WIND E 4, BARO 1018. , AIR TEMP. DRY 16.6, WET . , CLOUD. TYPE AS, AMT 6, WEATHER BC,

0	18.05	32.970	*****	0	18.05	32.970	*****	23.73	418	417	.0000
10	16.22	33.040	*****	10	16.22	33.040	*****	24.21	371	371	.0395
20	8.98	33.120	*****	20	8.98	33.120	*****	25.67	233	233	.0697
30	8.72	33.040	*****	30	8.72	33.040	*****	25.65	235	235	.0932
50	8.44	33.030	*****	50	8.44	33.030	*****	25.68	231	232	.1399
68	8.45	33.040	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 310-06 , 35-20.1. N, 125-12.1. E, JUN. 7.1981, 03.45 KST, DEPTH 70 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND S 3, BARO 1017.7, AIR TEMP. DRY 16.9, WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	18.21	32.950	*****						0	18.21	32.950	*****	23.67	423	423	.0000
10	17.89	32.940	*****						10	17.89	32.940	*****	23.74	416	416	.0420
20	11.31	33.060	*****						20	11.31	33.060	*****	25.23	274	275	.0766
30	8.32	33.080	*****						30	8.32	33.080	*****	25.74	226	226	.1017
50	7.71	33.100	*****						50	7.71	33.100	*****	25.85	216	216	.1460
67	7.62	33.080	*****													

KOREA ,HAN RA SAN , STATION 310-07 , 35-20.1. N, 125-00.0. E, JUN. 7.1981, 01.55 KST, DEPTH 82 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND S 3, BARO 1017.7, AIR TEMP. DRY 17.4, WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	18.35	33.010	*****						0	18.35	33.010	*****	23.69	422	421	.0000
10	16.45	32.940	*****						10	16.45	32.940	*****	24.08	384	384	.0403
20	10.12	33.060	*****						20	10.12	33.060	*****	25.44	255	255	.0723
30	7.34	33.040	*****						30	7.34	33.040	*****	25.85	215	216	.0959
50	7.29	33.030	*****						50	7.29	33.030	*****	25.85	216	216	.1391
78	7.19	33.030	*****						75	7.20	33.030	*****	25.86	214	215	.1931

KOREA ,HAN RA SAN , STATION 310-08 , 35-20.1. N, 125-47.9. E, JUN. 7.1981, 00.05 KST, DEPTH 89 , COLOR , TRANS. . .

WAVE 2, SWELL 1, WIND S 3, BARO 1017.5, AIR TEMP. DRY 17.6, WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	18.90	33.060	*****						0	18.90	33.060	*****	23.59	431	431	.0000
10	17.12	33.030	*****						10	17.12	33.030	*****	24.00	392	392	.0412
20	12.45	33.040	*****						20	12.45	33.040	*****	25.00	296	296	.0757
30	7.69	33.120	*****						30	7.69	33.120	*****	25.87	214	214	.1012

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	6.95	33.060	*****							50	6.95	33.060	*****	25.92	209	209	.1437
75	6.89	33.080	*****							75	6.89	33.080	*****	25.94	207	207	.1959
85	6.85	33.130	*****														

KOREA ,HAN RA SAN , STATION 310-09 , 35-20.1. N, 124-35.6. E, JUN. 6.1981, 22.10 KST, DEPTH 91 , COLOR , TRANS. , ,
WAVE 3, SWELL 1, WIND S 4, BARO 1016.9, AIR TEMP. DRY 18.6, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.42	33.100	*****	0	18.42	33.100	*****	23.74	417	417	.0000
10	18.00	33.040	*****	10	18.00	33.040	*****	23.79	411	411	.0414
20	12.41	33.080	*****	20	12.41	33.080	*****	25.04	292	293	.0767
30	8.79	33.120	*****	30	8.79	33.120	*****	25.70	230	230	.1029
50	6.99	33.180	*****	50	6.99	33.180	*****	26.01	200	201	.1461
75	6.92	33.210	*****	75	6.92	33.210	*****	26.04	197	198	.1960
85	6.91	33.170	*****								

KOREA ,HAN RA SAN , STATION 310-10 , 35-20.1. N, 124-23.5. E, JUN. 6.1981, 20.20 KST, DEPTH 88 , COLOR , TRANS. , ,
WAVE 2, SWELL 1, WIND S 4, BARO 1015.5, AIR TEMP. DRY 18.7, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.39	32.950	*****	0	18.39	32.950	*****	23.63	427	427	.0000
10	17.72	33.030	*****	10	17.72	33.030	*****	23.85	406	406	.0417
20	13.01	33.100	*****	20	13.01	33.100	*****	24.94	302	302	.0771
30	7.39	33.240	*****	30	7.39	33.240	*****	26.00	201	201	.1023
50	7.00	33.170	*****	50	7.00	33.170	*****	26.00	201	202	.1428
75	6.89	33.130	*****	75	6.89	33.130	*****	25.98	203	204	.1935
85	6.98	33.150	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,HAN RA SAN , STATION 310-03 , 35-20.1. N, 125-49.3. E, AUG.11.1981, 04.45 KST, DEPTH 28 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SE 3, BARO 1004. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	23.80	32.230	*****	0	23.80	32.230	*****	21.63	618	618	.0000
10	19.05	32.250	*****	10	19.05	32.250	*****	22.93	494	494	.0556
20	18.40	32.340	*****	20	18.40	32.340	*****	23.16	472	472	.1040
25	18.45	32.340	*****								

KOREA ,HAN RA SAN , STATION 310-04 , 35-20.1. N, 125-36.5. E, AUG.11.1981, 03.00 KST, DEPTH 56 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SE 3, BARO 1005. , AIR TEMP. DRY 23.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.10	32.210	*****	0	26.10	32.210	*****	20.92	686	686	.0000
10	20.50	32.210	*****	10	20.50	32.210	*****	22.53	532	532	.0609
20	17.55	32.430	*****	20	17.55	32.430	*****	23.44	446	446	.1099
30	16.30	32.540	*****	30	16.30	32.540	*****	23.81	410	410	.1527
50	16.12	32.520	*****	50	16.12	32.520	*****	23.84	407	408	.2347

KOREA ,HAN RA SAN , STATION 310-05 , 35-20.1. N, 125-24.4. E, AUG.11.1981, 01.10 KST, DEPTH 70 , COLOR , TRANS. . .

WAVE 3, SWELL 2, WIND SE 3, BARO 1005.3, AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.15	32.200	*****	0	26.15	32.200	*****	20.90	688	688	.0000
10	23.02	32.160	*****	10	23.02	32.160	*****	21.80	602	602	.0665
20	17.20	32.380	*****	20	17.20	32.380	*****	23.48	441	441	.1168
30	15.80	32.560	*****	30	15.80	32.560	*****	23.94	398	398	.1588
50	14.10	32.610	*****	50	14.10	32.610	*****	24.36	359	360	.2347
65	13.15	32.660	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 310-06 , 35-20.1. N, 125-12.1. E, AUG.10.1981, 23.25 KST, DEPTH 70 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1005.5, AIR TEMP. DRY 23.8, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.12	32.270 *****	0	26.12	32.270 *****	20.96	682	682	.0000
10	23.00	32.360 *****	10	23.00	32.360 *****	21.96	587	587	.0635
20	16.88	32.360 *****	20	16.88	32.360 *****	23.54	436	436	.1167
30	13.45	32.590 *****	30	13.45	32.590 *****	24.46	348	348	.1539
50	11.53	32.760 *****	50	11.53	32.760 *****	24.96	300	301	.2190
65	11.24	32.770 *****							

KOREA ,HAN RA SAN , STATION 310-07 , 35-20.1. N, 125-00.0. E, AUG.10.1981, 21.35 KST, DEPTH 83 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND SE 3, BARO 1005.5, AIR TEMP. DRY 24.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.70	32.290 *****	0	26.70	32.290 *****	20.80	698	698	.0000
10	24.78	32.210 *****	10	24.78	32.210 *****	21.33	647	647	.0673
20	20.50	32.230 *****	20	20.50	32.230 *****	22.54	531	531	.1263
30	13.48	32.560 *****	30	13.48	32.560 *****	24.43	351	351	.1704
50	9.90	32.830 *****	50	9.90	32.830 *****	25.30	268	269	.2325
80	9.40	32.850 *****	75	9.48	32.847 *****	25.38	260	262	.2990

KOREA ,HAN RA SAN , STATION 310-08 , 35-20.1. N, 125-47.9. E, AUG.10.1981, 19.45 KST, DEPTH 88 , COLOR , TRANS. , ,

WAVE 2, SWELL 1, WIND NE 2, BARO 1006. , AIR TEMP. DRY 22.4, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	27.00	32.270 *****	0	27.00	32.270 *****	20.69	709	708	.0000
10	27.00	32.140 *****	10	27.00	32.140 *****	20.59	718	718	.0714
20	23.20	32.200 *****	20	23.20	32.200 *****	21.78	604	604	.1375

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	13.42	32.590	*****							30	13.42	32.590	*****	24.47	347	348	.1852
50	9.62	32.830	*****							50	9.62	32.830	*****	25.34	264	264	.2465
75	8.40	32.860	*****							75	8.40	32.860	*****	25.56	243	244	.3102
85	8.12	32.850	*****														

KOREA ,HAN RA SAN , STATION 310-09 , 35-20.1. N, 124-35.6. E, AUG.10.1981, 17.50 KST, DEPTH 90 , COLOR , TRANS. , ,
WAVE 2, SWELL 1, WIND NE 2, BARO 1007. , AIR TEMP. DRY 22.7, WET , , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	27.00	32.020	*****							0	27.00	32.020	*****	20.50	727	726	.0000
10	26.95	31.890	*****							10	26.95	31.890	*****	20.42	734	734	.0731
20	19.60	32.380	*****							20	19.60	32.380	*****	22.89	498	498	.1348
30	11.95	32.720	*****							30	11.95	32.720	*****	24.85	311	311	.1752
50	8.70	32.880	*****							50	8.70	32.880	*****	25.53	246	247	.2311
75	8.45	32.900	*****							75	8.45	32.900	*****	25.58	241	242	.2924
85	7.88	32.860	*****														

KOREA ,HAN RA SAN , STATION 310-10 , 35-20.1. N, 124-23.5. E, AUG.10.1981, 16.00 KST, DEPTH 88 , COLOR , TRANS. , ,
WAVE 2, SWELL 1, WIND SW 2, BARO 1007. , AIR TEMP. DRY 24.5, WET , , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	26.00	31.890	*****							0	26.00	31.890	*****	20.71	706	706	.0000
10	26.72	31.740	*****							10	26.72	31.740	*****	20.38	738	738	.0723
20	20.12	32.360	*****							20	20.12	32.360	*****	22.76	512	512	.1348
30	9.42	32.790	*****							30	9.42	32.790	*****	25.34	264	264	.1737
50	8.70	32.900	*****							50	8.70	32.900	*****	25.54	245	245	.2247
75	8.44	32.880	*****							75	8.44	32.880	*****	25.57	243	243	.2859
85	7.90	32.860	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

10월 (October)

KOREA ,HAN RA SAN , STATION 310-03 , 35-20.1. N, 125-49.3. E, OCT.14.1981, 09.10 KST, DEPTH 29 , COLOR 4, TRANS. 8.0,
WAVE 4, SWELL 1, WIND NE 5, BARO 1027. , AIR TEMP. DRY 13.8, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	18.09	31.800	*****	0	18.09	31.800	*****	22.83	504	503	.0000
10	17.49	31.870	*****	10	17.49	31.870	*****	23.02	485	485	.0495
20	15.73	32.270	*****	20	15.73	32.270	*****	23.73	417	417	.0946
25	15.50	32.360	*****								

KOREA ,HAN RA SAN , STATION 310-04 , 35-20.1. N, 125-36.5. E, OCT.14.1981, 07.30 KST, DEPTH 58 , COLOR 4, TRANS. 7.0,
WAVE 4, SWELL 1, WIND NE 5, BARO 1026.4, AIR TEMP. DRY 13.2, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	17.91	31.890	*****	0	17.91	31.890	*****	22.94	493	493	.0000
10	17.90	31.830	*****	10	17.90	31.830	*****	22.90	497	497	.0495
20	17.89	31.800	*****	20	17.89	31.800	*****	22.87	499	499	.0994
30	17.82	31.820	*****	30	17.82	31.820	*****	22.91	496	497	.1493
55	13.59	32.610	*****	50	14.44	32.452	*****	24.15	377	378	.2369

KOREA ,HAN RA SAN , STATION 310-05 , 35-20.1. N, 125-24.4. E, OCT.14.1981, 05.40 KST, DEPTH 73 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND NW 4, BARO 1026. , AIR TEMP. DRY 12.5, WET . , CLOUD. TYPE = AMT , WEATHER ,

0	18.28	32.160	*****	0	18.28	32.160	*****	23.05	482	482	.0000
10	18.19	31.980	*****	10	18.19	31.980	*****	22.94	493	493	.0488
20	18.18	31.960	*****	20	18.18	31.960	*****	22.93	494	494	.0982
30	16.55	32.320	*****	30	16.55	32.320	*****	23.59	431	432	.1446
50	10.99	32.770	*****	50	10.99	32.770	*****	25.06	290	291	.2170
70	10.49	32.900	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-06 , 35-20.1, N, 125-12.1, E, OCT.14.1981, 03.55 KST, DEPTH 72 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 1, WIND NW 4, BARO 1025. , AIR TEMP. DRY 13.8, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.15	32.030	*****							0	18.15	32.030	*****	22.99	488	488	.0000
10	18.05	31.940	*****							10	18.05	31.940	*****	22.94	493	493	.0491
20	18.04	31.980	*****							20	18.04	31.980	*****	22.98	490	490	.0983
30	17.52	32.160	*****							30	17.52	32.160	*****	23.24	465	465	.1461
50	16.79	32.660	*****							50	16.79	32.660	*****	23.79	412	413	.2339
68	11.59	32.880	*****														
KOREA ,HAN RA SAN , STATION 310-07 , 35-20.1, N, 125-00.0, E, OCT.14.1981, 02.05 KST, DEPTH 80 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 1, WIND NW 5, BARO 1025. , AIR TEMP. DRY 14.2, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	18.48	32.250	*****							0	18.48	32.250	*****	23.07	480	480	.0000
10	18.29	32.180	*****							10	18.29	32.180	*****	23.07	481	481	.0481
20	19.09	32.520	*****							20	19.09	32.520	*****	23.13	475	475	.0959
30	18.24	32.590	*****							30	18.24	32.590	*****	23.39	450	450	.1423
50	8.89	32.880	*****							50	8.89	32.880	*****	25.50	249	250	.2123
75	8.65	32.920	*****							75	8.65	32.920	*****	25.57	243	244	.2741
KOREA ,HAN RA SAN , STATION 310-08 , 35-20.1, N, 125-47.9, E, OCT.14.1981, 00.15 KST, DEPTH 86 , COLOR , TRANS. , ,																	
WAVE 4, SWELL 1, WIND N 5, BARO 1025.5, AIR TEMP. DRY 14.2, WET , , CLOUD. TYPE , AMT , WEATHER ,																	
0	19.60	32.290	*****							0	19.60	32.290	*****	22.82	504	504	.0000
10	19.69	32.270	*****							10	19.69	32.270	*****	22.79	508	508	.0506
20	18.85	32.250	*****							20	18.85	32.250	*****	22.98	489	489	.1005
30	19.09	32.570	*****							30	19.09	32.570	*****	23.17	471	472	.1486

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	13.15	32.810	*****							50	13.15	32.810	*****	24.69	326	327	.2286
75	7.91	32.990	*****							75	7.91	32.990	*****	25.73	227	228	.2981
80	7.98	33.010	*****														

KOREA ,HAN RA SAN , STATION 310-09 , 35-20.1. N, 124-35.6. E, OCT.13.1981, 22.20 KST, DEPTH 92 , COLOR , TRANS. . ,
WAVE 4, SWELL 1, WIND N 5, BARO 1024.6, AIR TEMP. DRY 15.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.70	32.340	*****	0	19.70	32.340	*****	22.84	503	503	.0000
10	19.61	32.290	*****	10	19.61	32.290	*****	22.82	504	504	.0504
20	19.39	32.250	*****	20	19.39	32.250	*****	22.85	502	502	.1008
30	19.51	32.560	*****	30	19.51	32.560	*****	23.05	482	483	.1501
50	13.31	32.820	*****	50	13.31	32.820	*****	24.67	328	329	.2314
75	7.83	32.920	*****	75	7.83	32.920	*****	25.69	231	232	.3016
88	7.91	32.970	*****								

KOREA ,HAN RA SAN , STATION 310-10 , 35-20.1. N, 124-23.5. E, OCT.13.1981, 20.30 KST, DEPTH 89 , COLOR , TRANS. . ,
WAVE 3, SWELL 1, WIND N 4, BARO 1023.1, AIR TEMP. DRY 16.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	20.00	32.390	*****	0	20.00	32.390	*****	22.80	507	506	.0000
10	19.72	32.200	*****	10	19.72	32.200	*****	22.72	514	514	.0510
20	19.53	32.160	*****	20	19.53	32.160	*****	22.74	512	512	.1024
30	19.62	32.520	*****	30	19.62	32.520	*****	22.99	488	488	.1524
50	13.39	32.700	*****	50	13.39	32.700	*****	24.56	339	340	.2353
75	7.89	32.920	*****	75	7.89	32.920	*****	25.68	232	233	.3070
85	8.02	32.970	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

12월 (December)

KOREA ,HAN RA SAN , STATION 310-03 , 35-20.1. N, 125-49.3. E, DEC.17.1981, 16.20 KST, DEPTH 27 , COLOR , TRANS. . .

WAVE 4, SWELL 1, WIND E 4, BARO 1040. , AIR TEMP. DRY 1.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.99	32.570	*****						0	8.99	32.570	*****	25.24	274	273	.0000
10	9.15	32.610	*****						10	9.15	32.610	*****	25.25	273	273	.0274
20	9.15	32.630	*****						20	9.15	32.630	*****	25.26	271	272	.0546
23	9.02	32.590	*****													

KOREA ,HAN RA SAN , STATION 310-04 , 35-20.1. N, 125-36.5. E, DEC.17.1981, 04.40 KST, DEPTH 58 , COLOR , TRANS. . .

WAVE 4, SWELL 1, WIND NE 4, BARO 1040. , AIR TEMP. DRY 1.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.51	32.570	*****						0	9.51	32.570	*****	25.16	281	281	.0000
10	9.40	32.590	*****						10	9.40	32.590	*****	25.19	278	278	.0280
20	9.48	32.650	*****						20	9.48	32.650	*****	25.23	275	275	.0557
30	9.43	32.590	*****						30	9.43	32.590	*****	25.19	279	279	.0835
55	9.40	32.570	*****						50	9.41	32.574	*****	25.18	280	280	.1395

KOREA ,HAN RA SAN , STATION 310-05 , 35-20.1. N, 125-24.4. E, DEC.17.1981, 02.55 KST, DEPTH 71 , COLOR , TRANS. . .

WAVE 4, SWELL 1, WIND NE 4, BARO 1040. , AIR TEMP. DRY 1.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.50	32.660	*****						0	9.50	32.660	*****	25.23	275	274	.0000
10	9.58	32.590	*****						10	9.58	32.590	*****	25.16	281	281	.0278
20	9.60	32.700	*****						20	9.60	32.700	*****	25.25	273	273	.0556
30	9.49	32.650	*****						30	9.49	32.650	*****	25.22	275	275	.0830
50	9.50	32.680	*****						50	9.50	32.680	*****	25.25	273	274	.1380
65	9.59	32.660	*****													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 310-06 , 35-20.1. N, 125-12.1. E, DEC.17.1981, 01.00 KST, DEPTH 70 , COLOR , TRANS. . .																	
WAVE 3, SWELL 1, WIND NE 4, BARO 1040. , AIR TEMP. DRY 2.3, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	9.21	32.760	*****							0	9.21	32.760	*****	25.35	263	262	.0000
10	9.25	32.720	*****							10	9.25	32.720	*****	25.32	266	266	.0265
20	9.12	32.720	*****							20	9.12	32.720	*****	25.34	264	264	.0531
30	9.20	32.760	*****							30	9.20	32.760	*****	25.36	263	263	.0795
50	9.14	32.700	*****							50	9.14	32.700	*****	25.32	266	267	.1325
65	9.08	32.760	*****														
KOREA ,HAN RA SAN , STATION 310-07 , 35-20.1. N, 125-00.0. E, DEC.16.1981, 23.10 KST, DEPTH 83 , COLOR , TRANS. . .																	
WAVE 3, SWELL 1, WIND NE 4, BARO 1040. , AIR TEMP. DRY 2.5, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.85	32.760	*****							0	8.85	32.760	*****	25.41	257	257	.0000
10	8.90	32.720	*****							10	8.90	32.720	*****	25.37	261	261	.0260
20	8.91	32.760	*****							20	8.91	32.760	*****	25.40	258	258	.0520
30	8.82	32.700	*****							30	8.82	32.700	*****	25.37	261	262	.0780
50	8.90	32.740	*****							50	8.90	32.740	*****	25.39	260	260	.1303
80	8.83	32.740	*****							75	8.84	32.740	*****	25.40	259	260	.1954
KOREA ,HAN RA SAN , STATION 310-08 , 35-20.1. N, 125-47.9. E, DEC.16.1981, 21.10 KST, DEPTH 87 , COLOR , TRANS. . .																	
WAVE 4, SWELL 1, WIND N 4, BARO 1039.1, AIR TEMP. DRY 3.3, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.70	32.860	*****							0	8.70	32.860	*****	25.51	248	247	.0000
10	8.61	32.740	*****							10	8.61	32.740	*****	25.43	255	255	.0252
20	8.69	32.760	*****							20	8.69	32.760	*****	25.44	255	255	.0507
30	8.59	32.770	*****							30	8.59	32.770	*****	25.46	253	253	.0762

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
50	8.70	32.740	*****							50	8.70	32.740	*****	25.42	257	257	.1273
75	8.68	32.760	*****							75	8.68	32.760	*****	25.44	255	256	.1916
80	8.55	32.760	*****														

KOREA ,HAN RA SAN , STATION 310-09 , 35-20.1. N, 124-35.6. E, DEC.16.1981, 16.20 KST, DEPTH 90 , COLOR , TRANS. , ,
WAVE 4, SWELL 1, WIND N 4, BARO 1038. , AIR TEMP. DRY 4.0, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	8.90	32.760	*****	0	8.90	32.760	*****	25.40	258	258	.0000
10	8.92	32.720	*****	10	8.92	32.720	*****	25.38	260	260	.0259
20	8.95	32.680	*****	20	8.95	32.680	*****	25.33	265	265	.0522
30	9.01	32.660	*****	30	9.01	32.660	*****	25.31	267	267	.0789
50	8.91	32.680	*****	50	8.91	32.680	*****	25.34	264	265	.1322
75	8.39	32.810	*****	75	8.39	32.810	*****	25.52	247	248	.1964
85	8.11	32.830	*****								

KOREA ,HAN RA SAN , STATION 310-10 , 35-20.1. N, 124-23.5. E, DEC.16.1981, 17.15 KST, DEPTH 90 , COLOR , TRANS. , ,
WAVE 3, SWELL 1, WIND NE 4, BARO 1038. , AIR TEMP. DRY 4.6, WET , , CLOUD. TYPE AS, AMT 10, WEATHER C ,

0	8.90	32.720	*****	0	8.90	32.720	*****	25.37	261	261	.0000
10	8.87	32.720	*****	10	8.87	32.720	*****	25.38	261	261	.0261
20	8.99	32.700	*****	20	8.99	32.700	*****	25.34	264	264	.0524
30	9.03	32.740	*****	30	9.03	32.740	*****	25.37	262	262	.0787
50	8.89	32.680	*****	50	8.89	32.680	*****	25.34	264	264	.1314
75	8.30	32.770	*****	75	8.30	32.770	*****	25.50	249	250	.1958
85	8.09	32.850	*****								

311선 해양관측 성적

Oceanographic Data. Line 311

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February) ~ 3 월(March)

KOREA ,TAE BAEK SAN , STATION 311-04 , 34-43.0. N, 125-43.9. E, MAR. 1.1981, 10.45 KST, DEPTH 34 , COLOR 6, TRANS. 11.0.

WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1029. , AIR TEMP. DRY 2.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	2.88	31.980	*****	0	2.88	31.980	*****	25.51	248	248	.0000
10	2.84	31.980	*****	10	2.84	31.980	*****	25.51	248	247	.0248
20	3.38	32.080	*****	20	3.38	32.080	*****	25.55	244	244	.0494
30	3.95	32.260	*****	30	3.95	32.260	*****	25.64	236	236	.0735

KOREA ,TAE BAEK SAN , STATION 311-05 , 34-43.0. N, 125-31.9. E, MAR. 1.1981, 09.20 KST, DEPTH 75 , COLOR 6, TRANS. 11.0.

WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1029. , AIR TEMP. DRY 1.0, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	3.35	32.180	*****	0	3.35	32.180	*****	25.63	237	236	.0000
10	3.35	32.150	*****	10	3.35	32.150	*****	25.61	239	239	.0238
20	3.39	32.180	*****	20	3.39	32.180	*****	25.63	237	237	.0476
30	3.45	32.210	*****	30	3.45	32.210	*****	25.66	235	235	.0712
50	3.48	32.200	*****	50	3.48	32.200	*****	25.63	236	236	.1184
75	3.53	32.200	*****	75	3.53	32.200	*****	25.63	237	237	.1777

KOREA ,TAE BAEK SAN , STATION 311-06 , 34-43.0. N, 125-19.4. E, FEB.28.1981, 17.00 KST, DEPTH 90 , COLOR 6, TRANS. 11.0.

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1029. , AIR TEMP. DRY 1.9, WET . , CLOUD. TYPE CI, AMT 5, WEATHER B ,

0	4.52	32.450	*****	0	4.52	32.450	*****	25.73	227	227	.0000
10	4.68	32.430	*****	10	4.68	32.430	*****	25.70	230	230	.0229
20	4.70	32.500	*****	20	4.70	32.500	*****	25.75	225	225	.0457

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	4.88	32.540	*****							30	4.88	32.540	*****	25.76	224	224	.0682
50	5.09	32.560	*****							50	5.09	32.560	*****	25.76	225	225	.1131
75	5.24	32.580	*****							75	5.24	32.580	*****	25.75	225	225	.1695
87	5.64	32.630	*****														

KOREA ,TAE BAEK SAN , STATION 311-07 , 34-43.0. N, 125-00.0. E, FEB.28.1981, 15.15 KST, DEPTH 90 , COLOR 6, TRANS. 11.0,
WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1027. , AIR TEMP. DRY 4.0, WET . , CLOUD. TYPE CI, AMT 5, WEATHER B ,

0	6.58	32.820	*****							0	6.58	32.820	*****	25.78	222	222	.0000
10	6.45	32.810	*****							10	6.45	32.810	*****	25.79	221	221	.0222
20	6.43	32.840	*****							20	6.43	32.840	*****	25.82	219	219	.0443
30	6.78	32.890	*****							30	6.78	32.890	*****	25.81	219	220	.0662
50	6.71	32.890	*****							50	6.71	32.890	*****	25.82	219	219	.1102
75	6.58	32.890	*****							75	6.58	32.890	*****	25.84	217	218	.1649
87	6.77	32.960	*****														

KOREA ,TAE BAEK SAN , STATION 311-08 , 34-43.0. N, 124-47.9. E, FEB.28.1981, 14.10 KST, DEPTH 93 , COLOR 6, TRANS. 11.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1028. , AIR TEMP. DRY 4.8, WET . , CLOUD. TYPE CI, AMT 5, WEATHER B ,

0	6.94	32.920	*****							0	6.94	32.920	*****	25.81	219	219	.0000
10	6.61	32.940	*****							10	6.61	32.940	*****	25.87	214	213	.0217
20	6.71	32.940	*****							20	6.71	32.940	*****	25.86	215	215	.0431
30	6.70	32.960	*****							30	6.70	32.960	*****	25.88	213	213	.0646
50	6.63	32.970	*****							50	6.63	32.970	*****	25.89	212	212	.1072
75	6.68	32.960	*****							75	6.68	32.960	*****	25.88	213	214	.1605
90	7.01	33.020	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE RAEK SAN , STATION 311-09 , 34-43.0. N, 124-35.8. E, FEB.28.1981, 12.50 KST, DEPTH 89 , COLOR 6, TRANS. 11.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1027. , AIR TEMP. DRY 2.6, WET . , CLOUD. TYPE CI, AMT 5, WEATHER B ,

0	6.84	32.910	*****						0	6.84	32.910	*****	25.82	219	218	.0000
10	6.75	32.870	*****						10	6.75	32.870	*****	25.80	221	220	.0220
20	6.72	32.870	*****						20	6.72	32.870	*****	25.80	220	220	.0441
30	6.79	32.860	*****						30	6.79	32.860	*****	25.79	222	222	.0662
50	6.72	32.870	*****						50	6.72	32.870	*****	25.80	220	221	.1106
75	6.69	32.870	*****						75	6.69	32.870	*****	25.81	220	220	.1658
85	6.68	32.880	*****													

KOREA ,TAE RAEK SAN , STATION 311-10 , 34-43.0. N, 124-23.4. E, FEB.28.1981, 11.40 KST, DEPTH 84 , COLOR 5, TRANS. 10.0,

WAVE NE 2, SWELL NE 1, WIND E 3, BARO 1027. , AIR TEMP. DRY 2.3, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	7.25	32.920	*****						0	7.25	32.920	*****	25.77	223	223	.0000
10	6.50	32.880	*****						10	6.50	32.880	*****	25.84	217	217	.0220
20	6.52	32.870	*****						20	6.52	32.870	*****	25.83	218	218	.0438
30	6.48	32.880	*****						30	6.48	32.880	*****	25.84	216	217	.0655
50	6.50	32.880	*****						50	6.50	32.880	*****	25.84	217	217	.1090
75	6.55	32.880	*****						75	6.55	32.880	*****	25.83	217	218	.1635

4 월(April)

KOREA ,TAE RAEK SAN , STATION 311-04 , 34-43.0. N, 125-43.9. E, APR.16.1981, 10.45 KST, DEPTH 38 , COLOR 6, TRANS. 2.0,

WAVE SW 1, SWELL SW 2, WIND SW 4, BARO 1009. , AIR TEMP. DRY 8.4, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	8.00	32.620	*****						0	8.00	32.620	*****	25.43	256	255	.0000
10	6.56	32.760	*****						10	6.56	32.760	*****	25.74	226	226	.0241
20	6.11	32.810	*****						20	6.11	32.810	*****	25.83	217	217	.0464
30	6.04	32.840	*****						30	6.04	32.840	*****	25.87	214	214	.0680

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 311-05 , 34-43.0. N, 125-31.9. E, APR.16.1981, 09.25 KST, DEPTH 80 , COLOR 6, TRANS. 2.0,
WAVE SW 1, SWELL SW 2, WIND SW 2, BARO 1009. , AIR TEMP. DRY 8.8, WET . , CLOUD. TYPE , AMT 2, WEATHER F ,

0	6.89	32.850	*****							0	6.89	32.850	*****	25.76	224	224	.0000
10	6.70	32.880	*****							10	6.70	32.880	*****	25.81	219	219	.0222
20	6.69	32.900	*****							20	6.69	32.900	*****	25.83	218	218	.0441
30	6.67	32.900	*****							30	6.67	32.900	*****	25.83	217	217	.0659
50	6.60	32.900	*****							50	6.60	32.900	*****	25.84	216	217	.1094
75	6.58	32.910	*****							75	6.58	32.910	*****	25.85	215	216	.1636

KOREA ,TAE BAEK SAN , STATION 311-06 , 34-43.0. N, 125-19.4. E, APR.15.1981, 10.50 KST, DEPTH 90 , COLOR 6, TRANS. 5.0,
WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1009.5, AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	7.79	32.940	*****							0	7.79	32.940	*****	25.71	229	229	.0000
10	7.50	32.950	*****							10	7.50	32.950	*****	25.76	224	224	.0227
20	7.40	32.960	*****							20	7.40	32.960	*****	25.78	222	222	.0451
30	6.80	32.980	*****							30	6.80	32.980	*****	25.88	213	213	.0669
50	6.62	33.010	*****							50	6.62	33.010	*****	25.93	208	209	.1092
75	6.58	33.010	*****							75	6.58	33.010	*****	25.93	208	209	.1615
87	6.50	33.010	*****														

KOREA ,TAE BAEK SAN , STATION 311-07 , 34-43.0. N, 125-00.0. E, APR.15.1981, 08.20 KST, DEPTH 9 , COLOR 6, TRANS. 8.0,
WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1013. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	8.81	33.050	*****							0	8.81	33.050	*****	25.64	235	235	.0000
10	8.15	33.030	*****							10	8.15	33.030	*****	25.73	227	227	.0232
20	7.71	33.100	*****							20	7.71	33.100	*****	25.85	216	216	.0454
30	6.97	33.170	*****							30	6.97	33.170	*****	26.00	201	201	.0663

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	6.73	33.190	*****							50	6.73	33.190	*****	26.05	196	197	.1061
75	6.69	33.190	*****							75	6.69	33.190	*****	26.06	196	197	.1554
87	6.69	33.200	*****														

KOREA ,TAE BAEK SAN , STATION 311-08 , 34-43.0. N, 124-47.9. E, APR.15.1981, 07.10 KST, DEPTH 93 , COLOR 6, TRANS. 9.0.
WAVE SE 1, SWELL SE 1, WIND SE 4, BARO 1013. , AIR TEMP. DRY 9.5, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	8.83	33.010	*****							0	8.83	33.010	*****	25.61	239	238	.0000
10	8.32	33.040	*****							10	8.32	33.040	*****	25.71	229	229	.0234
20	7.20	33.080	*****							20	7.20	33.080	*****	25.90	211	211	.0454
30	6.76	33.140	*****							30	6.76	33.140	*****	26.01	201	201	.0660
50	6.79	33.160	*****							50	6.79	33.160	*****	26.02	199	200	.1062
75	6.72	33.160	*****							75	6.72	33.160	*****	26.03	199	199	.1562
90	6.72	33.170	*****														

KOREA ,TAE BAEK SAN , STATION 311-09 , 34-43.0. N, 124-35.8. E, APR.15.1981, 05.50 KST, DEPTH 87 , COLOR , TRANS. . ,
WAVE , SWELL , WIND , BARO 1013. , AIR TEMP. DRY 9.6. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	8.79	33.050	*****							0	8.79	33.050	*****	25.65	235	235	.0000
10	8.38	33.040	*****							10	8.38	33.040	*****	25.70	230	230	.0233
20	7.45	33.130	*****							20	7.45	33.130	*****	25.91	210	210	.0453
30	7.18	33.150	*****							30	7.18	33.150	*****	25.96	205	205	.0661
50	6.86	33.180	*****							50	6.86	33.180	*****	26.03	199	199	.1067
75	6.80	33.180	*****							75	6.80	33.180	*****	26.04	198	199	.1565
85	6.60	33.190	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 311-10 , 34-43.0. N, 124-23.4. E, APR.15.1981, 04.40 KST, DEPTH 80 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1013. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.00	33.120	*****	0	9.00	33.120	*****	25.67	233	233	.0000
10	8.84	33.120	*****	10	8.84	33.120	*****	25.69	230	230	.0232
20	7.54	33.110	*****	20	7.54	33.110	*****	25.88	213	213	.0454
30	7.25	33.190	*****	30	7.25	33.190	*****	25.98	203	203	.0663
50	7.20	33.130	*****	50	7.20	33.130	*****	25.94	207	207	.1074
75	7.10	33.160	*****	75	7.10	33.160	*****	25.98	203	204	.1590

6 월(June)

KOREA ,TAE BAEK SAN , STATION 311-04 , 34-43.0. N, 125-43.9. E, JUN. 9.1981, 18.20 KST, DEPTH 35 , COLOR 5, TRANS. 5.0,

WAVE , SWELL , WIND NE 1, BARO 1009. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	16.50	33.270	*****	0	16.50	33.270	*****	24.52	361	360	.0000
10	11.84	33.280	*****	10	11.84	33.280	*****	25.50	267	267	.0314
20	11.85	33.310	*****	20	11.85	33.310	*****	25.33	265	266	.0581
30	11.85	33.340	*****	30	11.85	33.340	*****	25.35	263	264	.0846

KOREA ,TAE BAEK SAN , STATION 311-05 , 34-43.0. N, 125-31.9. E, JUN. 9.1981, 19.20 KST, DEPTH 80 , COLOR 5, TRANS. 4.0,

WAVE , SWELL , WIND NE 1, BARO 1009. , AIR TEMP. DRY 17.9, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	12.15	33.170	*****	0	12.15	33.170	*****	25.16	281	281	.0000
10	11.72	33.180	*****	10	11.72	33.180	*****	25.25	273	273	.0277
20	11.67	33.200	*****	20	11.67	33.200	*****	25.27	270	270	.0549
30	11.70	33.200	*****	30	11.70	33.200	*****	25.27	271	271	.0821
50	11.70	33.220	*****	50	11.70	33.220	*****	25.28	269	270	.1363
75	11.79	33.230	*****	75	11.79	33.230	*****	25.28	270	272	.2042

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 311-06 , 34-43.0. N, 125-19.4. E, JUN.11.1981, 09.00 KST, DEPTH 90 , COLOR 6, TRANS. 7.0,

WAVE NW 2, SWELL NW 2, WIND NW 4, BARO 1005. , AIR TEMP. DRY 14.9, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	14.41	33.090	*****	0	14.41	33.090	*****	24.65	330	330	.0000
10	13.21	33.110	*****	10	13.21	33.110	*****	24.91	305	305	.0318
20	12.37	33.140	*****	20	12.37	33.140	*****	25.10	287	287	.0615
30	11.30	33.180	*****	30	11.30	33.180	*****	25.33	265	266	.0892
50	11.38	33.230	*****	50	11.38	33.230	*****	25.35	263	264	.1422
75	10.65	33.230	*****	75	10.65	33.230	*****	25.48	251	252	.2068
85	10.27	33.200	*****								

KOREA ,TAE BAEK SAN , STATION 311-07 , 34-43.0. N, 125-00.0. E, JUN.11.1981, 10.40 KST, DEPTH 90 , COLOR 4, TRANS. 12.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1004.8, AIR TEMP. DRY 12.1, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.71	32.890	*****	0	17.71	32.890	*****	23.75	416	415	.0000
10	17.76	32.940	*****	10	17.76	32.940	*****	23.78	413	413	.0415
20	13.00	32.950	*****	20	13.00	32.950	*****	24.83	313	313	.0778
30	7.42	33.030	*****	30	7.42	33.030	*****	25.63	217	217	.1044
50	7.12	33.090	*****	50	7.12	33.090	*****	25.92	209	209	.1472
75	7.15	33.030	*****	75	7.15	33.030	*****	25.87	214	214	.2003
85	7.15	33.410	*****								

KOREA ,TAE BAEK SAN , STATION 311-08 , 34-43.0. N, 124-47.9. E, JUN.11.1981, 11.50 KST, DEPTH 95 , COLOR 4, TRANS. 13.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1003. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	17.32	32.830	*****	0	17.32	32.830	*****	23.80	411	411	.0000
10	17.26	32.860	*****	10	17.26	32.860	*****	23.83	408	408	.0410
20	13.31	32.910	*****	20	13.31	32.910	*****	24.73	322	322	.0775

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	8.00	33.010	*****							30	8.00	33.010	*****	25.73	227	227	.1050
50	7.17	33.010	*****							50	7.17	33.010	*****	25.85	215	216	.1493
75	7.20	33.010	*****							75	7.20	33.010	*****	25.85	216	217	.2035
90	7.23	33.030	*****														

KOREA ,TAE BAEK SAN , STATION 311-09 , 34-43.0. N, 124-35.8. E, JUN.11.1981, 13.10 KST, DEPTH 89 , COLOR 4, TRANS. 11.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1003. , AIR TEMP. DRY 15.8, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.23	32.830	*****							0	17.23	32.830	*****	23.82	409	409	.0000
10	17.14	32.830	*****							10	17.14	32.830	*****	23.84	407	407	.0408
20	13.42	32.830	*****							20	13.42	32.830	*****	24.65	330	330	.0777
30	9.62	32.870	*****							30	9.62	32.870	*****	25.37	261	261	.1073
50	7.01	32.970	*****							50	7.01	32.970	*****	25.84	216	217	.1552
75	6.95	32.970	*****							75	6.95	32.970	*****	25.85	216	216	.2095
85	7.00	32.970	*****														

KOREA ,TAE BAEK SAN , STATION 311-10 , 34-43.0. N, 124-23.4. E, JUN.11.1981, 14.10 KST, DEPTH 84 , COLOR 4, TRANS. 11.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1003. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	16.95	32.820	*****							0	16.95	32.820	*****	23.88	404	403	.0000
10	16.95	32.820	*****							10	16.95	32.820	*****	23.88	404	404	.0404
20	16.92	32.840	*****							20	16.92	32.840	*****	23.90	401	402	.0807
30	15.29	32.880	*****							30	15.29	32.880	*****	24.30	363	364	.1190
50	12.52	32.870	*****							50	12.52	32.870	*****	24.86	310	311	.1866
75	8.70	32.930	*****							75	8.70	32.930	*****	25.57	243	243	.2560

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 311-04 , 34-43.0. N, 125-43.9. E, AUG.12.1981, 17.00 KST, DEPTH 34 , COLOR 5, TRANS. 9.0,
WAVE N 1, SWELL N 1, WIND N 1, BARO 1001.5, AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE AC, AMT 1, WEATHER B ,

0	23.61	32.100	*****	0	23.61	32.100	*****	21.59	622	622	.0000
10	19.20	32.450	*****	10	19.20	32.450	*****	23.05	483	483	.0553
20	17.16	32.480	*****	20	17.16	32.480	*****	23.57	433	433	.1011
30	16.77	32.510	*****	30	16.77	32.510	*****	23.68	422	423	.1460

KOREA ,TAE BAEK SAN , STATION 311-05 , 34-43.0. N, 125-31.9. E, AUG.12.1981, 18.30 KST, DEPTH 75 , COLOR 5, TRANS. 9.0,
WAVE N 1, SWELL N 1, WIND N 1, BARO 1001.5, AIR TEMP. DRY 24.5, WET . , CLOUD. TYPE AC, AMT 1, WEATHER B ,

0	21.69	32.040	*****	0	21.69	32.040	*****	22.08	575	575	.0000
10	19.89	32.320	*****	10	19.89	32.320	*****	22.77	509	509	.0542
20	17.16	32.480	*****	20	17.16	32.480	*****	23.57	433	433	.1014
30	16.69	32.580	*****	30	16.69	32.580	*****	23.75	415	416	.1439
50	16.31	32.600	*****	50	16.31	32.600	*****	23.86	406	407	.2263
70	14.20	32.750	*****								

KOREA ,TAE BAEK SAN , STATION 311-06 , 34-43.0. N, 125-19.4. E, AUG.13.1981, 10.10 KST, DEPTH 90 , COLOR 4, TRANS. 9.0,
WAVE , SWELL , WIND NW 1, BARO 1005. , AIR TEMP. DRY 24.3, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	21.43	31.910	*****	0	21.43	31.910	*****	22.05	578	577	.0000
10	16.79	32.460	*****	10	16.79	32.460	*****	23.64	426	426	.0502
20	14.01	32.750	*****	20	14.01	32.750	*****	24.47	347	347	.0890
30	12.78	32.780	*****	30	12.78	32.780	*****	24.74	321	322	.1225
50	12.46	32.830	*****	50	12.46	32.830	*****	24.84	312	313	.1860
75	12.43	32.840	*****	75	12.43	32.840	*****	24.85	310	312	.2662
85	12.38	32.850	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 311-07 , 34-43.0. N, 125-00.0. E, AUG.13.1981, 11.50 KST, DEPTH 90 , COLOR 3, TRANS. 14.0.

WAVE , SWELL , WIND NW 1, BARO 1005. , AIR TEMP. DRY 26.2, WET . , CLOUD. TYPE CI, AMT 4, WEATHER BC,

0	26.38	31.520	*****							0	26.38	31.520	*****	20.32	744	744	.0000
10	21.35	31.700	*****							10	21.35	31.700	*****	21.92	591	591	.0668
20	11.38	32.850	*****							20	11.38	32.850	*****	25.06	291	291	.1109
30	7.52	32.940	*****							30	7.52	32.940	*****	25.75	225	225	.1368
50	7.52	32.940	*****							50	7.52	32.940	*****	25.75	225	226	.1820
75	7.49	32.920	*****							75	7.49	32.920	*****	25.74	226	227	.2388
85	7.61	32.930	*****														

KOREA ,TAE BAEK SAN , STATION 311-08 , 34-43.0. N, 124-47.9. E, AUG.13.1981, 13.00 KST, DEPTH 93 , COLOR 3, TRANS. 10.0.

WAVE , SWELL , WIND NW 1, BARO 1005. , AIR TEMP. DRY 26.3, WET . , CLOUD. TYPE CU, AMT 5, WEATHER B ,

0	27.01	31.930	*****							0	27.01	31.930	*****	20.43	733	733	.0000
10	26.75	32.630	*****							10	26.75	32.630	*****	21.04	675	675	.0705
20	14.81	32.780	*****							20	14.81	32.780	*****	24.32	361	361	.1223
30	12.39	32.920	*****							30	12.39	32.920	*****	24.92	304	304	.1556
50	7.77	32.990	*****							50	7.77	32.990	*****	25.75	225	225	.2087
75	7.63	32.920	*****							75	7.63	32.920	*****	25.72	228	229	.2656
90	7.61	32.980	*****														

KOREA ,TAE BAEK SAN , STATION 311-09 , 34-43.0. N, 124-35.8. E, AUG.13.1981, 14.10 KST, DEPTH 89 , COLOR 3, TRANS. 11.0.

WAVE , SWELL , WIND NW 1, BARO 1004. , AIR TEMP. DRY 27.3, WET . , CLOUD. TYPE CU, AMT 6, WEATHER BC,

0	27.56	31.240	*****							0	27.56	31.240	*****	19.74	800	800	.0000
10	27.12	31.290	*****							10	27.12	31.290	*****	19.91	783	783	.0792
20	18.37	32.780	*****							20	18.37	32.780	*****	23.51	439	439	.1403

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	11.84	32.870	*****							30	11.84	32.870	*****	24.99	298	298	.1772
50	7.87	32.960	*****							50	7.87	32.960	*****	25.71	229	229	.2301
75	7.80	32.970	*****							75	7.80	32.970	*****	25.73	227	228	.2873
85	8.18	32.930	*****														

KOREA ,TAE BAEK SAN , STATION 311-10 , 34-43.0. N, 124-23.4. E, AUG.13.1981, 15.20 KST, DEPTH 84 , COLOR 3, TRANS. 14.0.

WAVE , SWELL , WIND NW 1, BARO 1004. , AIR TEMP. DRY 27.6, WET . , CLOUD. TYPE CU, AMT 7, WEATHER BC,

0	27.71	31.150	*****							0	27.71	31.150	*****	19.62	811	811	.0000
10	27.09	31.450	*****							10	27.09	31.450	*****	20.04	770	770	.0791
20	18.35	31.910	*****							20	18.35	31.910	*****	22.85	502	502	.1428
30	10.91	32.870	*****							30	10.91	32.870	*****	25.16	282	282	.1820
50	8.05	32.960	*****							50	8.05	32.960	*****	25.69	231	232	.2335
75	8.10	32.990	*****							75	8.10	32.990	*****	25.70	230	230	.2914
80	8.05	33.020	*****														

10월 (October)

KOREA ,HAN RA SAN , STATION 311-04 , 34-43.0. N, 125-43.9. E, OCT.14.1981, 14.25 KST, DEPTH 34 , COLOR 4, TRANS. 6.0.

WAVE 4, SWELL 1, WIND N 5, BARO 1025.5, AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE AS, AMT 9, WEATHER C ,

0	17.49	32.000	*****							0	17.49	32.000	*****	23.12	475	475	.0000
10	16.91	32.140	*****							10	16.91	32.140	*****	23.37	452	452	.0464
20	16.68	32.540	*****							20	16.68	32.540	*****	23.72	418	418	.0900
30	16.51	32.640	*****							30	16.51	32.640	*****	23.84	407	408	.1313

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,HAN RA SAN , STATION 311-05 , 34-43.0. N, 125-31.9. E, OCT.14.1981, 16.05 KST, DEPTH 75 , COLOR 4, TRANS. 5.0,																	
WAVE 4, SWELL 1, WIND NE 5, BARO 1025. , AIR TEMP. DRY 13.1, WET . , CLOUD. TYPE AS, AMT 10, WEATHER C ,																	
0	17.29	32.480	*****							0	17.29	32.480	*****	23.54	436	436	.0000
10	16.61	32.570	*****							10	16.61	32.570	*****	23.76	414	414	.0425
20	16.12	32.610	*****							20	16.12	32.610	*****	23.91	401	401	.0834
30	15.89	32.610	*****							30	15.89	32.610	*****	23.96	396	396	.1233
50	15.74	32.630	*****							50	15.74	32.630	*****	24.01	391	392	.2022
70	15.72	32.650	*****														
KOREA ,HAN RA SAN , STATION 311-06 , 34-43.0. N, 125-19.4. E, OCT.15.1981, 14.05 KST, DEPTH 92 , COLOR 5, TRANS. 3.0,																	
WAVE 1, SWELL 1, WIND NW 1, BARO 1025. , AIR TEMP. DRY 16.1, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,																	
0	16.00	32.590	*****							0	16.00	32.590	*****	23.92	400	399	.0000
10	15.39	32.720	*****							10	15.39	32.720	*****	24.15	377	377	.0389
20	15.09	32.740	*****							20	15.09	32.740	*****	24.23	370	370	.0763
30	15.61	32.750	*****							30	15.61	32.760	*****	24.13	379	379	.1138
50	15.12	32.700	*****							50	15.12	32.700	*****	24.20	373	374	.1892
75	14.59	32.790	*****							75	14.59	32.790	*****	24.38	356	357	.2808
88	14.11	32.760	*****														
KOREA ,HAN RA SAN , STATION 311-07 , 34-43.0. N, 125-00.0. E, OCT.15.1981, 16.45 KST, DEPTH 92 , COLOR 4, TRANS. 6.0,																	
WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE CC, AMT 3, WEATHER BC,																	
0	16.20	32.740	*****							0	16.20	32.740	*****	23.99	393	393	.0000
10	15.79	32.740	*****							10	15.79	32.740	*****	24.08	384	384	.0389
20	15.21	32.790	*****							20	15.21	32.790	*****	24.25	368	369	.0766

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	14.60	32.850	*****							30	14.60	32.850	*****	24.42	351	352	.1126
50	13.78	32.860	*****							50	13.78	32.860	*****	24.60	334	335	.1815
75	13.15	32.900	*****							75	13.15	32.900	*****	24.76	319	321	.2636
89	12.62	33.030	*****														

KOREA ,HAN PA SAN , STATION 311-08 , 34-43.0. N, 124-47.9. E, OCT.15.1981, 18.40 KST, DEPTH 95 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 14.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.30	32.720	*****	0	17.30	32.720	*****	23.72	419	418	.0000
10	16.65	32.740	*****	10	16.65	32.740	*****	23.88	403	403	.0411
20	16.59	32.630	*****	20	16.59	32.630	*****	23.81	409	410	.0818
30	16.52	32.740	*****	30	16.52	32.740	*****	23.91	400	400	.1223
50	16.32	32.720	*****	50	16.32	32.720	*****	23.94	397	398	.2023
75	15.61	32.660	*****	75	15.61	32.660	*****	24.06	386	388	.3007
90	15.34	32.770	*****								

KOREA ,HAN PA SAN , STATION 311-09 , 34-43.0. N, 124-35.8. E, OCT.15.1981, 20.30 KST, DEPTH 88 , COLOR , TRANS. . .

WAVE 1, SWELL 1, WIND NW 2, BARO 1022. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.70	32.740	*****	0	18.70	32.740	*****	23.39	450	449	.0000
10	18.29	32.740	*****	10	18.29	32.740	*****	23.49	440	440	.0445
20	17.30	32.740	*****	20	17.30	32.740	*****	23.73	417	418	.0874
30	18.02	32.760	*****	30	18.02	32.740	*****	23.56	434	434	.1301
50	16.30	32.810	*****	50	16.30	32.810	*****	24.02	390	391	.2127
75	9.81	32.830	*****	75	9.81	32.830	*****	25.31	267	268	.2952
85	9.39	33.190	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 311-10 , 34-43.0. N, 124-23.4. E, OCT.15.1981, 22.25 KST, DEPTH 85 , COLOR , TRANS. . ,
WAVE 1, SWELL 1, WIND NW 2, BARO 1021. , AIR TEMP. DRY 14.2. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	19.40	32.560	*****						0	19.40	32.560	*****	23.08	480	479	.0000
10	18.98	32.660	*****						10	18.98	32.660	*****	23.26	462	462	.0471
20	18.99	32.690	*****						20	18.99	32.690	*****	23.28	460	461	.0933
30	18.91	32.720	*****						30	18.91	32.720	*****	23.33	456	457	.1392
50	11.29	32.790	*****						50	11.29	32.790	*****	25.03	294	295	.2145
80	9.10	33.080	*****						75	9.46	33.032	*****	25.53	246	248	.2824

12월 (December)

KOREA ,TAE BAEK SAN , STATION 311-04 , 34-43.0. N, 125-43.9. E, DEC.21.1981, 08.45 KST, DEPTH 40 , COLOR 5, TRANS. 1.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1023. , AIR TEMP. DRY 6.8. WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	8.25	32.550	*****						0	8.25	32.550	*****	25.34	264	264	.0000
10	8.23	32.560	*****						10	8.23	32.560	*****	25.35	263	263	.0264
20	8.29	32.560	*****						20	8.29	32.560	*****	25.34	264	264	.0528
30	8.34	32.580	*****						30	8.34	32.580	*****	25.35	263	264	.0793

KOREA ,TAE BAEK SAN , STATION 311-05 , 34-43.0. N, 125-31.9. E, DEC.21.1981, 07.35 KST, DEPTH 75 , COLOR 5, TRANS. 1.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1023. , AIR TEMP. DRY 6.8. WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	8.78	32.570	*****						0	8.78	32.570	*****	25.27	270	270	.0000
10	8.75	32.560	*****						10	8.75	32.560	*****	25.27	271	271	.0271
20	8.74	32.560	*****						20	8.74	32.560	*****	25.27	271	271	.0542
30	8.72	32.560	*****						30	8.72	32.560	*****	25.27	270	271	.0813
50	8.73	32.560	*****						50	8.73	32.560	*****	25.27	270	271	.1356
70	8.75	32.560	*****													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 311-06 , 34-43.0. N, 125-19.4. E, DEC.19.1981, 09.30 KST, DEPTH 90 , COLOR 5, TRANS. . ,

WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1021. , AIR TEMP. DRY 3.0. WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	9.03	32.840 *****		0	9.03	32.840 *****	25.45	254	254	.0000
10	9.50	32.850 *****		10	9.50	32.850 *****	25.38	260	260	.0258
20	9.58	32.860 *****		20	9.58	32.860 *****	25.37	261	261	.0519
30	9.57	32.840 *****		30	9.57	32.840 *****	25.36	262	263	.0781
50	9.59	32.840 *****		50	9.59	32.840 *****	25.36	263	263	.1308
75	9.61	32.850 *****		75	9.61	32.850 *****	25.36	262	263	.1967
85	9.55	32.870 *****								

KOREA ,TAE BAEK SAN , STATION 311-07 , 34-43.0. N, 125-00.0. E, DEC.19.1981, 07.40 KST, DEPTH 93 , COLOR 5, TRANS. . ,

WAVE NW 3, SWELL NW 2, WIND NW 4, BARO 1021. , AIR TEMP. DRY 3.0. WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	9.34	****** *****		0	9.34	****** *****	*****	***	***	.0000
10	9.43	****** *****		10	9.43	****** *****	*****	***	***	******
20	9.41	****** *****		20	9.41	****** *****	*****	***	***	******
30	9.40	****** *****		30	9.40	****** *****	*****	***	***	******
50	9.39	****** *****		50	9.39	****** *****	*****	***	***	******
75	9.40	****** *****		75	9.40	****** *****	*****	***	***	******
90	9.36	****** *****								

KOREA ,TAE BAEK SAN , STATION 311-08 , 34-43.0. N, 126-47.9. E, DEC.19.1981, 06.30 KST, DEPTH 93 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1021. , AIR TEMP. DRY 3.6. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	9.17	32.860 *****		0	9.17	32.860 *****	25.44	255	254	.0000
10	9.25	32.850 *****		10	9.25	32.850 *****	25.42	257	257	.0256
20	9.26	32.880 *****		20	9.26	32.880 *****	25.44	255	255	.0512

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	9.23	32.850	*****							30	9.23	32.850	*****	25.42	256	257	.0768
50	9.20	32.860	*****							50	9.20	32.860	*****	25.43	255	256	.1281
75	9.25	32.850	*****							75	9.25	32.850	*****	25.42	257	258	.1924
90	9.24	32.850	*****														

KOREA ,TAE BAEK SAN , STATION 311-09 , 34-63.0. N, 124-35.8. E, DEC.19.1981, 05.20 KST, DEPTH 89 , COLOR , TRANS. . .
WAVE , SWELL , WIND , BARO 1022. , AIR TEMP. DRY 4.0. WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	9.59	32.960	*****							0	9.59	32.960	*****	25.45	254	253	.0000
10	9.72	32.950	*****							10	9.72	32.950	*****	25.42	256	256	.0255
20	9.71	32.950	*****							20	9.71	32.950	*****	25.42	256	256	.0512
30	9.68	32.950	*****							30	9.68	32.950	*****	25.43	256	256	.0769
50	9.72	32.970	*****							50	9.72	32.970	*****	25.44	255	256	.1282
75	9.70	32.960	*****							75	9.70	32.960	*****	25.43	255	257	.1923
85	8.68	32.960	*****														

KOREA ,TAE BAEK SAN , STATION 311-10 , 34-63.0. N, 124-23.4. E, DEC.19.1981, 04.10 KST, DEPTH 82 , COLOR , TRANS. . .
WAVE , SWELL , WIND , BARO 1022. , AIR TEMP. DRY 4.0. WET . . , CLOUD. TYPE , AMT , WEATHER ,

0	9.50	32.930	*****							0	9.50	32.930	*****	25.44	255	254	.0000
10	9.67	32.930	*****							10	9.67	32.930	*****	25.41	257	257	.0256
20	9.70	32.930	*****							20	9.70	32.930	*****	25.41	258	258	.0514
30	9.65	32.930	*****							30	9.65	32.930	*****	25.42	257	257	.0772
50	9.60	32.920	*****							50	9.60	32.920	*****	25.42	257	257	.1287
75	8.60	32.930	*****							75	8.60	32.930	*****	25.58	241	242	.1913

312선 해양관측 성적

Oceanographic Data. Line 312

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 312-02 , 33-58.5. N, 126-06.0. E, FEB.27.1981, 20.40 KST, DEPTH 86 , COLOR 4, TRANS. 7.0,

WAVE NE 2, SWELL NW 1, WIND NE 3, BARO 1030. , AIR TEMP. DRY .1, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	9.18	34.120	*****	0	9.18	34.120	*****	26.42	161	161	.0000
10	9.59	34.090	*****	10	9.59	34.090	*****	26.33	170	170	.0166
20	9.68	34.090	*****	20	9.68	34.090	*****	26.32	171	172	.0337
30	9.63	34.100	*****	30	9.63	34.100	*****	26.33	170	170	.0509
50	9.67	34.150	*****	50	9.67	34.150	*****	26.36	167	168	.0847
75	9.70	34.120	*****	75	9.70	34.120	*****	26.34	169	171	.1271

KOREA ,TAE BAEK SAN , STATION 312-03 , 33-59.8. N, 126-54.0. E, FEB.27.1981, 21.50 KST, DEPTH 73 , COLOR 4, TRANS. 7.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1030. , AIR TEMP. DRY 3.0, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	9.50	34.080	*****	0	9.50	34.080	*****	26.34	169	169	.0000
10	9.68	34.070	*****	10	9.68	34.070	*****	26.30	173	173	.0171
20	9.79	34.060	*****	20	9.79	34.060	*****	26.27	175	175	.0346
30	10.28	34.150	*****	30	10.28	34.150	*****	26.26	177	177	.0523
50	10.55	34.110	*****	50	10.55	34.110	*****	26.18	184	185	.0885
70	9.00	34.040	*****								

KOREA ,TAE BAEK SAN , STATION 312-04 , 34-01.3. N, 125-42.0. E, FEB.27.1981, 23.00 KST, DEPTH 84 , COLOR 4, TRANS. 8.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1029. , AIR TEMP. DRY - 2.4, WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	7.93	33.780	*****	0	7.93	33.780	*****	26.35	168	168	.0000
10	8.20	33.760	*****	10	8.20	33.760	*****	26.29	174	174	.0171

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	8.21	33.730	*****							20	8.21	33.730	*****	26.27	176	176	.0347
30	8.24	33.750	*****							30	8.24	33.750	*****	26.28	175	175	.0523
50	8.29	33.740	*****							50	8.29	33.740	*****	26.26	176	177	.0876
75	8.54	33.710	*****							75	8.54	33.710	*****	26.20	182	183	.1327

KOREA ,TAE BAEK SAN , STATION 312-05 , 34-02.6. N, 125-30.0. E, FEB.28.1981, 00.15 KST, DEPTH 92 , COLOR 4, TRANS. 8.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1027. , AIR TEMP. DRY 4. , WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	6.78	33.390	*****							0	6.78	33.390	*****	26.20	182	182	.0000
10	6.93	33.430	*****							10	6.93	33.430	*****	26.21	181	181	.0182
20	6.92	33.380	*****							20	6.92	33.380	*****	26.18	185	185	.0365
30	7.00	33.400	*****							30	7.00	33.400	*****	26.18	184	184	.0550
50	7.08	33.360	*****							50	7.08	33.360	*****	26.14	188	189	.0924
75	7.17	33.240	*****							75	7.17	33.240	*****	26.03	198	199	.1410
90	7.54	33.240	*****														

KOREA ,TAE BAEK SAN , STATION 312-06 , 34-04.1. N, 125-18.0. E, FEB.28.1981, 01.50 KST, DEPTH 103 , COLOR 4, TRANS. 8.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1027. , AIR TEMP. DRY 4. , WET . , CLOUD. TYPE NS, AMT 5, WEATHER BC,

0	10.80	34.030	*****							0	10.80	34.030	*****	26.08	194	194	.0000
10	11.03	34.050	*****							10	11.03	34.050	*****	26.05	197	196	.0196
20	11.13	34.090	*****							20	11.13	34.090	*****	26.06	195	195	.0392
30	11.04	34.090	*****							30	11.04	34.090	*****	26.08	194	194	.0587
50	11.09	34.070	*****							50	11.09	34.070	*****	26.06	196	197	.0980
75	10.78	34.080	*****							75	10.78	34.080	*****	26.12	190	191	.1466
100	10.96	34.050	*****							100	10.96	34.050	*****	26.06	195	197	.1953

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 312-07 , 34-05.5. N, 125-00.0. E, FEB.28.1981, 04.10 KST, DEPTH 91 , COLOR 4, TRANS. 7.0,

WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1027. , AIR TEMP. DRY 5. , WET . , CLOUD. TYPE NS, AMT 6, WEATHER BC,

0	8.08	33.710	*****	0	8.08	33.710	*****	26.27	176	175	.0000
10	8.97	33.700	*****	10	8.97	33.700	*****	26.13	189	189	.0185
20	8.63	33.700	*****	20	8.63	33.700	*****	26.18	184	184	.0370
30	9.16	33.770	*****	30	9.16	33.770	*****	26.15	187	187	.0556
50	9.44	33.800	*****	50	9.44	33.800	*****	26.13	189	190	.0935
75	9.56	33.830	*****	75	9.56	33.830	*****	26.13	189	190	.1410
88	9.62	33.830	*****								

KOREA ,TAE BAEK SAN , STATION 312-08 , 34-05.5. N, 124-48.0. E, FEB.28.1981, 05.25 KST, DEPTH 92 , COLOR 4, TRANS. 8.0,

WAVE NE 3, SWELL NE 1, WIND NE 4, BARO 1027. , AIR TEMP. DRY 5. , WET . , CLOUD. TYPE NS, AMT 6, WEATHER BC,

0	8.19	33.910	*****	0	8.19	33.910	*****	25.41	162	162	.0000
10	9.64	33.890	*****	10	9.64	33.890	*****	26.17	186	185	.0174
20	9.62	33.900	*****	20	9.62	33.900	*****	26.14	188	188	.0361
30	9.79	33.900	*****	30	9.79	33.900	*****	26.15	187	188	.0550
50	9.85	33.880	*****	50	9.85	33.880	*****	26.12	190	190	.0928
75	9.69	33.910	*****	75	9.89	33.910	*****	26.14	188	189	.1404
88	9.77	33.890	*****								

KOREA ,TAE BAEK SAN , STATION 312-09 , 34-05.5. N, 124-36.0. E, FEB.28.1981, 06.35 KST, DEPTH 86 , COLOR 4, TRANS. 7.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1026. , AIR TEMP. DRY 1.0, WET . , CLOUD. TYPE AS, AMT 5, WEATHER BC,

0	8.99	33.750	*****	0	8.99	33.750	*****	26.16	186	186	.0000
10	9.17	33.720	*****	10	9.17	33.720	*****	26.11	191	191	.0189

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	9.20	33.720	*****							20	9.20	33.720	*****	26.11	191	191	.0380
30	9.75	33.830	*****							30	9.75	33.830	*****	26.10	192	192	.0573
50	9.73	33.880	*****							50	9.73	33.880	*****	26.14	188	188	.0954
75	10.00	33.930	*****							75	10.00	33.930	*****	26.14	188	190	.1428

KOREA ,TAE PAEK SAN , STATION 312-10 , 34-05.5. N, 124-24.0. E, FEB.28.1981, 07.50 KST, DEPTH 80 , COLOR 4, TRANS. 8.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1026. , AIR TEMP. DRY 1.5, WET . , CLOUD. TYPE AS, AMT 4, WEATHER BC,

0	7.95	33.490	*****							0	7.95	33.490	*****	26.12	190	190	.0000
10	8.15	33.440	*****							10	8.15	33.440	*****	26.05	197	197	.0194
20	8.35	33.430	*****							20	8.35	33.430	*****	26.01	200	200	.0393
30	8.35	33.440	*****							30	8.35	33.440	*****	26.02	200	200	.0593
50	8.48	33.460	*****							50	8.48	33.460	*****	26.01	200	201	.0995
75	8.61	33.510	*****							75	8.61	33.510	*****	26.03	198	199	.1495

4 월 (April)

KOREA ,JIN YANG HO , STATION 312-02 , 33-58.5. N, 126-06.0. E, APR. 1.1981, 13.50 KST, DEPTH 86 , COLOR 4, TRANS. 10.0,
WAVE N 1, SWELL N 1, WIND N 1, BARO 1020. , AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	11.59	33.760	*****							0	11.59	33.760	*****	25.72	228	227	.0000
10	10.45	33.720	*****							10	10.45	33.720	*****	25.90	211	211	.0220
20	9.30	33.780	*****							20	9.30	33.780	*****	26.14	188	189	.0420
30	9.50	33.740	*****							30	9.50	33.740	*****	26.07	195	195	.0612
50	9.58	33.840	*****							50	9.58	33.840	*****	26.14	188	189	.0997
75	9.58	33.830	*****							75	9.58	33.830	*****	26.13	189	190	.1472

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 312-03 , 33-59.8. N, 126-54.0. E, APR.14.1981, 15.10 KST, DEPTH 73 , COLOR 8, TRANS. 5.0,

WAVE N 1, SWELL N 1, WIND N 1, BARO 1020. , AIR TEMP. DRY 14.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	11.06	33.510	*****	0	11.06	33.510	*****	25.63	237	237	.0000
10	10.89	33.470	*****	10	10.89	33.470	*****	25.63	237	237	.0237
20	10.21	33.470	*****	20	10.21	33.470	*****	25.74	226	226	.0469
30	9.25	33.520	*****	30	9.25	33.520	*****	25.94	207	207	.0686
50	9.20	33.550	*****	50	9.20	33.550	*****	25.97	204	205	.1099
70	9.40	33.600	*****								

KOREA ,TAE BAEK SAN , STATION 312-04 , 34-01.3. N, 125-42.0. E, APR.14.1981, 16.30 KST, DEPTH 68 , COLOR 6, TRANS. 4.0,

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1019. , AIR TEMP. DRY 13.5, WET . , CLOUD. TYPE CI, AMT 5, WEATHER BC,

0	10.30	33.510	*****	0	10.30	33.510	*****	25.76	224	224	.0000
10	8.89	33.470	*****	10	8.89	33.470	*****	25.96	205	205	.0215
20	8.80	33.470	*****	20	8.80	33.470	*****	25.97	204	204	.0420
30	8.54	33.720	*****	30	8.54	33.720	*****	26.21	182	182	.0613
50	8.70	33.550	*****	50	8.70	33.550	*****	26.05	196	197	.0993
65	8.90	33.600	*****								

KOREA ,TAE BAEK SAN , STATION 312-05 , 34-02.6. N, 125-30.0. E, APR.14.1981, 17.50 KST, DEPTH 73 , COLOR 5, TRANS. 4.0,

WAVE NE 1, SWELL NE 1, WIND NE 1, BARO 1018. , AIR TEMP. DRY 11.3, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	9.32	33.430	*****	0	9.32	33.430	*****	25.86	215	214	.0000
10	8.98	33.430	*****	10	8.98	33.430	*****	25.91	210	209	.0212
20	8.71	33.430	*****	20	8.71	33.430	*****	25.96	206	206	.0420
30	8.80	33.520	*****	30	8.80	33.520	*****	26.01	200	200	.0624
50	8.62	33.580	*****	50	8.62	33.580	*****	26.09	193	194	.1019
70	8.69	33.610	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE BAEK SAN , STATION 312-06 , 34-04.1. N, 125-18.0. E, APR.14.1981, 19.10 KST, DEPTH 103 , COLOR 5, TRANS. 3.0,																	
WAVE SW 1, SWELL SW 1, WIND SW 1, BARO 1019. , AIR TEMP. DRY 10.6, WET . , CLOUD. TYPE CU, AMT 9, WEATHER C ,																	
0	9.49	33.390	*****							0	9.49	33.390	*****	25.80	220	220	.0000
10	8.80	33.370	*****							10	8.80	33.370	*****	25.90	211	211	.0216
20	8.44	33.400	*****							20	8.44	33.400	*****	25.97	204	204	.0424
30	8.08	33.410	*****							30	8.08	33.410	*****	26.04	198	198	.0626
50	8.29	33.510	*****							50	8.29	33.510	*****	26.08	194	194	.1019
75	8.50	33.610	*****							75	8.50	33.610	*****	26.13	189	190	.1500
100	8.51	33.610	*****							100	8.51	33.610	*****	26.13	189	191	.1978
KOREA ,TAE BAEK SAN , STATION 312-07 , 34-05.5. N, 125-00.0. E, APR.14.1981, 21.10 KST, DEPTH 90 , COLOR , TRANS. . ,																	
WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 10.0, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.62	33.170	*****							0	8.62	33.170	*****	25.77	224	223	.0000
10	7.80	33.130	*****							10	7.80	33.130	*****	25.86	215	215	.0220
20	17.05	33.110	*****							20	17.05	33.110	*****	24.07	385	385	.0520
30	7.49	33.190	*****							30	7.49	33.190	*****	25.95	206	206	.0816
50	7.69	33.120	*****							50	7.69	33.120	*****	25.87	214	215	.1238
75	7.97	33.370	*****							75	7.97	33.370	*****	26.02	199	200	.1758
87	8.59	33.470	*****														
KOREA ,TAE BAEK SAN , STATION 312-08 , 34-05.5. N, 124-48.0. E, APR.14.1981, 22.20 KST, DEPTH 92 , COLOR , TRANS. . ,																	
WAVE , SWELL , WIND , BARO 1018. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE , AMT , WEATHER ,																	
0	8.00	33.060	*****							0	8.00	33.060	*****	25.77	223	223	.0000
10	7.71	33.060	*****							10	7.71	33.060	*****	25.82	219	219	.0221
20	7.38	33.130	*****							20	7.38	33.130	*****	25.92	209	209	.0436

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	7.10	33.120	*****							30	7.10	33.120	*****	25.95	206	206	.0644
50	6.99	33.130	*****							50	6.99	33.130	*****	25.97	204	205	.1056
75	7.30	33.270	*****							75	7.30	33.270	*****	26.04	198	199	.1561
89	7.60	33.430	*****														

KOREA , TAE BAEK SAN , STATION 312-09 , 34-05.5. N, 124-36.0. E, APR.14.1981, 23.30 KST, DEPTH 83 , COLOR , TRANS. , ,

WAVE	SWELL	WIND	BARO 1018.	AIR TEMP. DRY 9.6. WET	, CLOUD. TYPE	AMT	WEATHER	
0	8.10	32.740	*****					
10	7.49	32.920	*****					
20	6.89	32.980	*****					
30	6.71	33.030	*****					
50	6.89	33.140	*****					
75	6.87	33.180	*****					

0	8.10	32.740	*****	25.51	248	248	.0000
10	7.49	32.920	*****	25.74	226	226	.0238
20	6.89	32.980	*****	25.87	214	214	.0458
30	6.71	33.030	*****	25.93	208	208	.0670
50	6.89	33.140	*****	25.99	202	203	.1082
75	6.87	33.180	*****	26.03	199	200	.1586

KOREA , TAE BAEK SAN , STATION 312-10 , 34-05.5. N, 124-24.0. E, APR.15.1981, 00.40 KST, DEPTH 80 , COLOR , TRANS. , ,

WAVE	SWELL	WIND	BARO 1016.	AIR TEMP. DRY 9.2. WET	, CLOUD. TYPE	AMT	WEATHER	
0	8.49	32.980	*****					
10	7.90	32.920	*****					
20	7.29	32.920	*****					
30	7.01	32.990	*****					
50	7.41	33.290	*****					
75	7.46	33.510	*****					

0	8.49	32.980	*****	25.64	236	235	.0000
10	7.90	32.920	*****	25.68	232	232	.0234
20	7.29	32.920	*****	25.76	224	224	.0462
30	7.01	32.990	*****	25.86	215	215	.0682
50	7.41	33.290	*****	26.04	198	198	.1096
75	7.46	33.510	*****	26.20	182	183	.1574

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY

6 월(June)

KOREA ,TAE BAEK SAN , STATION 312-02 , 33-58.5. N, 126-06.0. E, JUN.12.1981, 04.40 KST, DEPTH 80 , COLOR 3, TRANS. 11.0,

WAVE NW 3, SWELL NW 1, WIND E 4, BARO 999. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	18.15	32.300	*****	0	18.15	32.300	*****	23.19	469	468	.0000
10	18.05	32.310	*****	10	18.05	32.310	*****	23.22	466	466	.0468
20	13.85	32.660	*****	20	13.85	32.660	*****	24.43	350	351	.0876
30	10.40	33.030	*****	30	10.40	33.030	*****	25.37	261	262	.1183
50	10.00	33.130	*****	50	10.00	33.130	*****	25.51	248	248	.1694
75	10.30	33.260	*****	75	10.30	33.260	*****	25.56	243	244	.2310

KOREA ,TAE BAEK SAN , STATION 312-03 , 33-59.8. N, 126-54.0. E, JUN.12.1981, 03.20 KST, DEPTH 73 , COLOR 5, TRANS. 13.0,

WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 999. , AIR TEMP. DRY 17.4, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	18.09	32.280	*****	0	18.09	32.280	*****	23.19	469	469	.0000
10	16.09	32.550	*****	10	16.09	32.550	*****	23.87	404	404	.0437
20	11.25	32.810	*****	20	11.25	32.810	*****	25.05	292	292	.0786
30	10.65	33.110	*****	30	10.65	33.110	*****	25.39	260	260	.1062
50	10.43	33.350	*****	50	10.43	33.350	*****	25.61	238	239	.1562
70	10.24	33.410	*****								

KOREA ,TAE BAEK SAN , STATION 312-04 , 34-01.3. N, 125-42.0. E, JUN.12.1981, 02.00 KST, DEPTH 84 , COLOR 5, TRANS. 12.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1003. , AIR TEMP. DRY 13.9, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	18.21	32.550	*****	0	18.21	32.550	*****	23.57	452	452	.0000
10	11.95	33.060	*****	10	11.95	33.060	*****	25.11	286	286	.0369
20	11.18	33.440	*****	20	11.18	33.440	*****	25.55	244	244	.0635

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	11.06	33.450	*****							30	11.06	33.450	*****	25.58	241	242	.0878
50	10.38	33.470	*****							50	10.38	33.470	*****	25.71	229	229	.1350
75	9.99	33.480	*****							75	9.99	33.480	*****	25.79	221	223	.1916

KOREA ,TAE BAEK SAN , STATION 312-05 , 34-02.6, N, 125-30.0. E, JUN.12.1981, 00.40 KST, DEPTH 92 , COLOR 4, TRANS. 12.0,
WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1002. , AIR TEMP. DRY 14.3, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	16.57	32.830	*****	0	16.57	32.830	*****	23.97	394	394	.0000
10	12.00	33.380	*****	10	12.00	33.380	*****	25.35	263	263	.0329
20	11.57	33.430	*****	20	11.57	33.430	*****	25.47	252	252	.0587
30	11.40	33.470	*****	30	11.40	33.470	*****	25.53	246	246	.0836
50	11.28	33.400	*****	50	11.28	33.400	*****	25.50	249	250	.1333
75	11.20	33.450	*****	75	11.20	33.450	*****	25.55	244	245	.1953
89	10.98	33.430	*****							

KOREA ,TAE BAEK SAN , STATION 312-06 , 34-04.1. N, 125-18.0. E, JUN.11.1981, 23.25 KST, DEPTH 103 , COLOR 4, TRANS. 11.0,
WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1001. , AIR TEMP. DRY 15.9, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	13.80	33.050	*****	0	13.80	33.050	*****	24.74	321	321	.0000
10	12.38	33.330	*****	10	12.38	33.330	*****	25.24	273	273	.0298
20	11.56	33.400	*****	20	11.56	33.400	*****	25.45	254	254	.0562
30	11.27	33.400	*****	30	11.27	33.400	*****	25.50	249	249	.0814
50	11.20	33.400	*****	50	11.20	33.400	*****	25.52	247	248	.1312
75	10.88	33.640	*****	75	10.88	33.640	*****	25.76	224	226	.1905
100	10.69	33.480	*****	100	10.69	33.480	*****	25.67	233	235	.2482

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 312-07 , 34-05.5. N, 125-00.0. E, JUN.11.1981, 21.40 KST, DEPTH 92 , COLOR 6, TRANS. 13.0,

WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1001. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	14.81	33.020	*****	0	14.81	33.020	*****	24.51	343	343	.0000
10	14.77	33.040	*****	10	14.77	33.040	*****	24.53	341	341	.0342
20	14.67	33.000	*****	20	14.67	33.000	*****	24.52	342	342	.0684
30	14.60	33.010	*****	30	14.60	33.010	*****	24.55	340	340	.1026
50	11.23	33.270	*****	50	11.23	33.270	*****	25.41	258	258	.1626
75	10.32	33.350	*****	75	10.32	33.350	*****	25.63	236	238	.2247
89	9.97	33.390	*****								

KOREA ,TAE PAEK SAN , STATION 312-08 , 34-05.5. N, 124-48.0. E, JUN.11.1981, 20.30 KST, DEPTH 90 , COLOR 6, TRANS. 13.0,

WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1001. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE , AMT , WEATHER R ,

0	17.39	32.790	*****	0	17.39	32.790	*****	23.75	416	415	.0000
10	16.98	32.810	*****	10	16.98	32.810	*****	23.86	405	405	.0411
20	15.57	32.850	*****	20	15.57	32.850	*****	24.21	371	372	.0799
30	10.20	33.340	*****	30	10.20	33.340	*****	25.64	235	236	.1104
50	9.15	33.340	*****	50	9.15	33.340	*****	25.82	219	219	.1559
75	8.89	33.350	*****	75	8.89	33.350	*****	25.87	214	215	.2104
85	8.82	33.320	*****								

KOREA ,TAE PAEK SAN , STATION 312-09 , 34-05.5. N, 124-36.0. E, JUN.11.1981, 19.20 KST, DEPTH 86 , COLOR 6, TRANS. 12.0,

WAVE NE 2, SWELL NE 1, WIND E 3, BARO 1005. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	17.07	32.880	*****	0	17.07	32.880	*****	23.89	402	402	.0000
10	16.79	32.910	*****	10	16.79	32.910	*****	23.98	393	393	.0398
20	9.99	33.230	*****	20	9.99	33.230	*****	25.59	240	240	.0715

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	8.70	33.230	*****							30	8.70	33.230	*****	25.80	220	220	.0966
50	8.66	33.240	*****							50	8.66	33.240	*****	25.82	219	219	.1587
75	9.19	33.260	*****							75	9.19	33.260	*****	25.75	225	226	.1946

KOREA ,TAE BAEK SAN , STATION 312-10 , 34-05.5. N, 124-24.0. E, JUN.11.1981, 18.10 KST, DEPTH 80 , COLOR 6, TRANS. 13.0,
WAVE NE 3, SWELL NE 1, WIND E 4, BARO 1003. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	16.80	32.970	*****	24.03	389	389	.0000
10	16.67	33.000	*****	24.08	384	384	.0387
20	15.02	33.080	*****	24.51	343	343	.0751
30	9.02	33.270	*****	25.78	222	222	.1035
50	8.35	33.190	*****	25.82	218	219	.1477
75	9.05	33.200	*****	25.72	228	229	.2037

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 312-02 , 33-58.5. N, 126-06.0. E, AUG.14.1981, 05.20 KST, DEPTH 86 , COLOR , TRANS. . ,
WAVE , SWELL , WIND , BARO 1006. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.40	******	*****	*****	***	***	.0000
10	20.84	******	*****	*****	***	***	******
20	15.16	******	*****	*****	***	***	******
30	12.14	******	*****	*****	***	***	******
50	11.29	******	*****	*****	***	***	******
75	11.16	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 312-03 , 33-59.8. N, 126-54.0. E, AUG.14.1981, 04.10 KST, DEPTH 73 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1006.5, AIR TEMP. DRY 25.0, WET . . CLOUD. TYPE , AMT , WEATHER ,

0	26.32	30.430	*****						0	26.32	30.430	*****	19.52	821	821	.0000
10	18.44	32.420	*****						10	18.44	32.420	*****	23.21	467	467	.0644
20	14.41	32.830	*****						20	14.41	32.830	*****	24.45	349	349	.1053
30	12.11	32.970	*****						30	12.11	32.970	*****	25.01	295	295	.1376
50	11.20	33.160	*****						50	11.20	33.160	*****	25.33	265	266	.1938
70	11.05	33.340	*****													

KOREA ,TAE BAEK SAN , STATION 312-04 , 34-01.3. N, 125-42.0. E, AUG.14.1981, 03.00 KST, DEPTH 70 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1006. , AIR TEMP. DRY 24.9, WET . . CLOUD. TYPE , AMT , WEATHER ,

0	25.62	30.340	*****						0	25.62	30.340	*****	19.67	807	806	.0000
10	20.81	32.140	*****						10	20.81	32.140	*****	22.39	545	545	.0676
20	16.75	32.610	*****						20	16.75	32.610	*****	23.76	414	415	.1157
30	13.31	32.880	*****						30	13.31	32.880	*****	24.71	324	324	.1527
50	11.36	33.220	*****						50	11.36	33.220	*****	25.35	263	264	.2116
65	11.12	33.240	*****													

KOREA ,TAE BAEK SAN , STATION 312-05 , 34-02.6. N, 125-30.0. E, AUG.14.1981, 01.50 KST, DEPTH 92 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1006. , AIR TEMP. DRY 24.0, WET . . CLOUD. TYPE , AMT , WEATHER ,

0	24.61	31.000	*****						0	24.61	31.000	*****	20.47	730	730	.0000
10	20.64	31.740	*****						10	20.64	31.740	*****	22.14	570	570	.0650
20	13.95	32.600	*****						20	13.95	32.600	*****	24.37	357	357	.1114
30	12.90	32.820	*****						30	12.90	32.820	*****	24.75	321	321	.1454
50	11.08	33.010	*****						50	11.08	33.010	*****	25.23	274	275	.2051
75	10.46	33.260	*****						75	10.46	33.260	*****	25.54	245	247	.2704

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 312-06 , 34-04.1. N, 125-18.0. E, AUG.14.1981, 00.50 KST, DEPTH 103 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1005. , AIR TEMP. DRY 24.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	25.83	30.460	*****	0	25.83	30.460	*****	19.69	804	804	.0000
10	23.05	31.130	*****	10	23.05	31.130	*****	21.02	677	677	.0761
20	18.46	32.440	*****	20	18.46	32.440	*****	23.22	466	466	.1313
30	14.13	32.440	*****	30	14.13	32.440	*****	24.21	372	373	.1733
50	11.43	32.930	*****	50	11.43	32.930	*****	25.11	286	287	.2393
75	10.41	33.160	*****	75	10.41	33.160	*****	25.47	252	253	.3070
100	10.27	33.240	*****	100	10.27	33.240	*****	25.55	244	245	.3694

KOREA ,TAE BAEK SAN , STATION 312-07 , 34-05.5. N, 125-00.0. E, AUG.13.1981, 22.55 KST, DEPTH 91 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1006. , AIR TEMP. DRY 25.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.32	30.230	*****	0	27.32	30.230	*****	19.06	865	865	.0000
10	20.59	31.510	*****	10	20.59	31.510	*****	21.97	585	585	.0726
20	17.29	32.880	*****	20	17.29	32.880	*****	23.84	407	407	.1222
30	17.32	32.890	*****	30	17.32	32.890	*****	23.84	407	407	.1630
50	13.32	32.920	*****	50	13.32	32.920	*****	24.74	321	322	.2360
75	12.10	33.060	*****	75	12.10	33.060	*****	25.09	288	290	.3126
87	11.35	33.100	*****								

KOREA ,TAE BAEK SAN , STATION 312-08 , 34-05.5. N, 124-48.0. E, AUG.13.1981, 21.45 KST, DEPTH 92 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1005. , AIR TEMP. DRY 25.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.10	******	*****	0	27.10	******	*****	*****	***	***	.0000
10	20.73	******	*****	10	20.73	******	*****	*****	***	***	******
20	12.85	******	*****	20	12.85	******	*****	*****	***	***	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
30	10.54	******	*****							30	10.54	******	*****	*****	***	***	******
50	9.64	******	*****							50	9.64	******	*****	*****	***	***	******
75	9.57	******	*****							75	9.57	******	*****	*****	***	***	******
90	9.63	******	*****														

KOREA ,TAE BAEK SAN , STATION 312-09 , 34-05.5. N, 124-36.0. E, AUG.13.1981, 20.30 KST, DEPTH 86 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1005. , AIR TEMP. DRY 25.3. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.92	30.410	*****		0	26.92	30.410	*****	19.32	840	840	.0000
10	17.05	31.790	*****		10	17.05	31.790	*****	23.07	481	481	.0661
20	12.48	32.610	*****		20	12.48	32.610	*****	24.67	328	328	.1066
30	11.46	32.960	*****		30	11.46	32.960	*****	25.13	284	285	.1373
50	10.73	33.080	*****		50	10.73	33.080	*****	25.35	263	264	.1923
83	10.52	33.070	*****		75	10.57	33.072	*****	25.37	261	262	.2582

KOREA ,TAE BAEK SAN , STATION 312-10 , 34-05.5. N, 124-24.0. E, AUG.13.1981, 19.30 KST, DEPTH 80 , COLOR , TRANS. . .

WAVE , SWELL , WIND NW 1, BARO 1005. , AIR TEMP. DRY 25.3. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.45	30.240	*****		0	27.45	30.240	*****	19.02	869	868	.0000
10	20.00	31.890	*****		10	20.00	31.890	*****	22.42	543	543	.0706
20	11.47	32.790	*****		20	11.47	32.790	*****	24.99	297	297	.1127
30	10.33	33.090	*****		30	10.33	33.090	*****	25.43	256	256	.1404
50	8.72	33.140	*****		50	8.72	33.140	*****	25.73	227	228	.1889
75	8.71	33.120	*****		75	8.71	33.120	*****	25.71	229	230	.2462

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D-DY

10월(October)

KOREA ,HAN RA SAN , STATION 312-02 , 33-58.5. N, 126-06.0. E, OCT.16.1981, 19.30 KST, DEPTH 86 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND NW 2, BARO 1020. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	22.00	32.130	*****	0	22.00	32.130	*****	22.06	577	576	.0000
10	21.95	32.540	*****	10	21.95	32.540	*****	22.39	546	546	.0562
20	21.98	33.000	*****	20	21.98	33.000	*****	22.73	513	514	.1092
30	21.99	33.500	*****	30	21.99	33.500	*****	23.10	477	478	.1588
50	12.88	33.370	*****	50	12.88	33.370	*****	25.18	280	281	.2348
83	12.69	33.190	*****	75	12.74	33.234	*****	25.10	287	289	.3060

KOREA ,HAN RA SAN , STATION 312-03 , 33-59.8. N, 126-54.0. E, OCT.16.1981, 17.40 KST, DEPTH 72 , COLOR 4, TRANS. 6.0,

WAVE 2, SWELL 1, WIND N 2, BARO 1020. , AIR TEMP. DRY 16.5, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	21.78	32.370	*****	0	21.78	32.370	*****	22.31	554	553	.0000
10	21.80	32.950	*****	10	21.80	32.950	*****	22.74	512	512	.0533
20	21.88	32.960	*****	20	21.88	32.960	*****	22.73	513	514	.1047
30	21.90	33.020	*****	30	21.90	33.020	*****	22.77	510	510	.1559
50	12.14	33.150	*****	50	12.14	33.150	*****	25.15	282	283	.2354
68	11.98	33.080	*****								

KOREA ,HAN RA SAN , STATION 312-04 , 34-01.3. N, 125-42.0. E, OCT.16.1981, 15.50 KST, DEPTH 84 , COLOR 4, TRANS. 6.0,

WAVE 2, SWELL 1, WIND N 2, BARO 1020. , AIR TEMP. DRY 17.2, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	20.69	32.480	*****	0	20.69	32.480	*****	22.68	517	517	.0000
10	20.61	32.510	*****	10	20.61	32.510	*****	22.73	513	513	.0516
20	16.14	32.850	*****	20	16.14	32.850	*****	24.09	384	384	.0965

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	14.50	32.770	*****							30	14.50	32.770	*****	24.38	355	356	.1335
50	12.09	33.040	*****							50	12.09	33.040	*****	25.07	290	290	.1982
80	11.35	33.150	*****							75	11.47	33.132	*****	25.26	272	273	.2688

KOREA ,HAN RA SAN , STATION 312-05 , 34-02.6, N, 125-30.0, E, OCT.16.1981, 14.00 KST, DEPTH 92 , COLOR 4, TRANS. 7.5,

WAVE 2, SWELL 1, WIND N 2, BARO 1021.2, AIR TEMP. DRY 17.0, WET . , CLOUD. TYPE CC, AMT 1, WEATHER B ,

0	16.80	32.590	*****							0	16.80	32.590	*****	23.74	417	417	.0000
10	16.49	32.480	*****							10	16.49	32.480	*****	23.72	418	418	.0418
20	16.45	32.630	*****							20	16.45	32.630	*****	23.85	406	407	.0831
30	15.20	32.630	*****							30	15.20	32.630	*****	24.12	380	380	.1225
50	12.95	32.880	*****							50	12.95	32.880	*****	24.78	317	318	.1924
75	11.02	33.120	*****							75	11.02	33.120	*****	25.33	265	266	.2656
89	10.95	33.130	*****														

KOREA ,HAN RA SAN , STATION 312-06 , 34-04.1, N, 125-18.0, E, OCT.16.1981, 12.10 KST, DEPTH 103 , COLOR 3, TRANS. 12.0,

WAVE 2, SWELL 1, WIND N 2, BARO 1022. , AIR TEMP. DRY 16.8, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	18.70	32.650	*****							0	18.70	32.650	*****	23.32	456	456	.0000
10	18.81	32.810	*****							10	18.81	32.810	*****	23.42	447	447	.0452
20	17.79	33.060	*****							20	17.79	33.060	*****	23.86	405	405	.0879
30	16.72	33.030	*****							30	16.72	33.030	*****	24.09	383	384	.1274
50	15.58	32.990	*****							50	15.58	32.990	*****	24.32	361	362	.2021
75	13.40	33.000	*****							75	13.40	33.000	*****	24.79	317	318	.2873
100	11.59	33.060	*****							100	11.59	33.060	*****	25.18	279	281	.3624

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY

KOREA ,HAN RA SAN , STATION 312-07 , 34-05.5. N, 125-00.0. E, OCT.16.1981, 09.30 KST, DEPTH 90 , COLOR 4, TRANS. 9.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1022. , AIR TEMP. DRY 16.4, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	18.50	32.920	*****	0	18.50	32.920	*****	23.58	432	432	.0000
10	19.61	32.940	*****	10	19.61	32.940	*****	23.32	457	457	.0445
20	18.58	32.920	*****	20	18.58	32.920	*****	23.56	434	434	.0891
30	17.53	32.980	*****	30	17.53	32.980	*****	23.86	405	406	.1311
50	13.54	32.980	*****	50	13.54	32.980	*****	24.74	321	322	.2040
75	11.72	33.040	*****	75	11.72	33.040	*****	25.14	283	284	.2799
87	11.00	33.080	*****								

KOREA ,HAN RA SAN , STATION 312-08 , 34-05.5. N, 124-48.0. E, OCT.16.1981, 07.40 KST, DEPTH 92 , COLOR 4, TRANS. 10.0,

WAVE 1, SWELL 1, WIND NE 2, BARO 1022. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE CC, AMT 2, WEATHER B ,

0	18.60	32.810	*****	0	18.60	32.810	*****	23.47	442	442	.0000
10	18.64	32.660	*****	10	18.64	32.660	*****	23.35	454	454	.0448
20	18.99	32.700	*****	20	18.99	32.700	*****	23.29	459	460	.0906
30	17.40	32.790	*****	30	17.40	32.790	*****	23.75	416	416	.1344
50	13.39	33.100	*****	50	13.39	33.100	*****	24.87	309	310	.2072
75	11.31	33.030	*****	75	11.31	33.030	*****	25.21	277	278	.2809
89	10.29	32.900	*****								

KOREA ,HAN RA SAN , STATION 312-09 , 34-05.5. N, 124-36.0. E, OCT.16.1981, 05.40 KST, DEPTH 85 , COLOR , TRANS. . ,

WAVE 2, SWELL 1, WIND N 3, BARO 1021.5, AIR TEMP. DRY 14.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.98	32.790	*****	0	18.98	32.790	*****	23.36	453	452	.0000
10	18.94	32.660	*****	10	18.94	32.660	*****	23.27	461	461	.0457
20	18.92	32.700	*****	20	18.92	32.700	*****	23.31	458	458	.0917

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	18.78	33.130	*****							30	18.78	33.130	*****	23.67	423	424	.1359
50	13.31	33.010	*****							50	13.31	33.010	*****	24.81	314	315	.2099
80	9.01	33.130	*****							75	9.73	33.110	*****	25.54	245	246	.2802

KOREA ,HAN RA SAN , STATION 312-10 , 34-05.5. N, 124-24.0. E, OCT.16.1981, 03.50 KST, DEPTH 80 , COLOR , TRANS. . ,
WAVE 2, SWELL 1, WIND NW 3, BARO 1022. , AIR TEMP. DRY 14.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.85	32.630	*****							0	18.85	32.630	*****	23.27	461	461	.0000
10	18.95	32.590	*****							10	18.95	32.590	*****	23.22	467	467	.0464
20	18.89	32.590	*****							20	18.89	32.590	*****	23.23	465	465	.0931
30	18.72	32.720	*****							30	18.72	32.720	*****	23.37	452	452	.1390
50	10.45	33.040	*****							50	10.45	33.040	*****	25.37	261	262	.2105
75	9.18	33.150	*****							75	9.18	33.150	*****	25.66	233	234	.2727

12월 (December)

KOREA ,TAE BAEK SAN , STATION 312-02 , 33-58.5. N, 126-06.0. E, DEC.18.1981, 14.10 KST, DEPTH 86 , COLOR 5, TRANS. 6.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1026. , AIR TEMP. DRY 8.9, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	13.50	33.830	*****							0	13.50	33.830	*****	25.41	258	258	.0000
10	13.60	33.820	*****							10	13.60	33.820	*****	25.38	260	260	.0259
20	13.81	33.850	*****							20	13.81	33.850	*****	25.36	262	263	.0522
30	13.84	******	*****							30	13.84	******	*****	*****	***	***	******
50	13.89	33.810	*****							50	13.89	33.810	*****	25.31	267	268	******
75	13.92	33.850	*****							75	13.92	33.850	*****	25.34	265	266	******

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 312-03 , 33-59.8. N, 126-54.0. E, DEC.18.1981, 15.20 KST, DEPTH 73 , COLOR 8, TRANS. 2.0,

WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 6.8, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	9.79	32.830	*****	0	9.79	32.830	*****	25.32	266	266	.0000
10	9.97	32.800	*****	10	9.97	32.800	*****	25.26	272	271	.0269
20	10.15	32.800	*****	20	10.15	32.800	*****	25.23	274	274	.0543
30	10.26	32.840	*****	30	10.26	32.840	*****	25.24	273	273	.0817
50	10.72	32.940	*****	50	10.72	32.940	*****	25.24	273	274	.1366
70	10.70	33.210	*****								

KOREA ,TAE BAEK SAN , STATION 312-04 , 34-01.3. N, 125-42.0. E, DEC.18.1981, 16.30 KST, DEPTH 65 , COLOR 8, TRANS. 1.0,

WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1025. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE CU, AMT 10, WEATHER C ,

0	10.09	32.930	*****	0	10.09	32.930	*****	25.34	264	263	.0000
10	10.16	32.910	*****	10	10.16	32.910	*****	25.32	266	266	.0265
20	10.16	32.910	*****	20	10.16	32.910	*****	25.32	266	266	.0532
30	10.23	32.920	*****	30	10.23	32.920	*****	25.31	267	267	.0800
50	10.36	32.950	*****	50	10.36	32.950	*****	25.31	267	267	.1335
60	10.27	32.950	*****								

KOREA ,TAE BAEK SAN , STATION 312-05 , 34-02.6. N, 125-30.0. E, DEC.18.1981, 17.40 KST, DEPTH 68 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1025. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.22	32.830	*****	0	10.22	32.830	*****	25.24	273	273	.0000
10	10.24	32.810	*****	10	10.24	32.810	*****	25.22	275	275	.0274
20	10.27	32.820	*****	20	10.27	32.820	*****	25.23	275	275	.0550
30	10.23	32.810	*****	30	10.23	32.810	*****	25.23	275	275	.0825

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	10.18	32.790	*****							50	10.18	32.790	*****	25.22	276	276	.1378
65	9.89	32.750	*****														

KOREA ,TAE BAEK SAN , STATION 312-06 , 34-04.1. N, 125-18.0. E, DEC.18.1981, 18.50 KST, DEPTH 103 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1025. , AIR TEMP. DRY 6.9, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.41	32.890	*****						0	10.41	32.890	*****	25.26	272	272	.0000
10	10.47	32.900	*****						10	10.47	32.900	*****	25.26	272	272	.0272
20	10.50	32.870	*****						20	10.50	32.870	*****	25.23	275	275	.0546
30	10.46	32.890	*****						30	10.46	32.890	*****	25.25	273	273	.0821
50	10.49	32.890	*****						50	10.49	32.890	*****	25.24	273	274	.1369
75	10.47	32.880	*****						75	10.47	32.880	*****	25.24	274	275	.2056
100	10.50	32.890	*****						100	10.50	32.890	*****	25.24	273	275	.2745

KOREA ,TAE BAEK SAN , STATION 312-07 , 34-05.5. N, 125-00.0. E, DEC.18.1981, 20.40 KST, DEPTH 93 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1025. , AIR TEMP. DRY 7.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.45	32.900	*****						0	10.45	32.900	*****	25.26	272	272	.0000
10	10.48	32.900	*****						10	10.48	32.900	*****	25.25	272	272	.0272
20	10.47	32.910	*****						20	10.47	32.910	*****	25.26	271	272	.0545
30	10.44	32.910	*****						30	10.44	32.910	*****	25.27	271	271	.0817
50	10.46	32.900	*****						50	10.46	32.900	*****	25.26	272	273	.1362
75	10.46	32.910	*****						75	10.46	32.910	*****	25.27	271	272	.2044
90	10.46	32.910	*****													

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 312-08 , 34-05.5. N, 124-48.0. E, DEC.18.1981, 21.50 KST, DEPTH 93 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1024. , AIR TEMP. DRY 7.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.43	32.930 *****		0	10.43	32.930 *****	25.29	269	269	.0000
10	10.44	32.910 *****		10	10.44	32.910 *****	25.27	271	271	.0270
20	10.50	32.910 *****		20	10.50	32.910 *****	25.26	272	272	.0542
30	10.46	32.920 *****		30	10.46	32.920 *****	25.27	271	271	.0814
50	10.52	32.910 *****		50	10.52	32.910 *****	25.25	272	273	.1359
75	10.49	32.910 *****		75	10.49	32.910 *****	25.26	272	273	.2043
90	10.49	32.920 *****								

KOREA ,TAE BAEK SAN , STATION 312-09 , 34-05.5. N, 124-36.0. E, DEC.18.1981, 23.00 KST, DEPTH 95 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1024. , AIR TEMP. DRY 7.1, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	11.02	32.940 *****		0	11.02	32.940 *****	25.19	278	278	.0000
10	11.06	32.950 *****		10	11.06	32.950 *****	25.19	278	278	.0279
20	11.12	32.940 *****		20	11.12	32.940 *****	25.17	280	280	.0558
30	10.64	32.910 *****		30	10.64	32.910 *****	25.23	274	275	.0836
50	10.59	32.920 *****		50	10.59	32.920 *****	25.25	273	273	.1385
75	10.52	32.910 *****		75	10.52	32.910 *****	25.25	272	273	.2070
90	10.48	32.900 *****								

KOREA ,TAE BAEK SAN , STATION 312-10 , 34-05.5. N, 124-24.0. E, DEC.19.1981, 00.10 KST, DEPTH 80 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1025. , AIR TEMP. DRY 7.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	10.58	32.930 *****		0	10.58	32.930 *****	25.26	272	271	.0000
10	10.74	32.930 *****		10	10.74	32.930 *****	25.23	274	274	.0273

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D DY
20	10.80	32.930	*****							20	10.80	32.930	*****	25.22	275	275	.0549
30	10.90	32.930	*****							30	10.90	32.930	*****	25.20	277	277	.0826
50	10.86	32.920	*****							50	10.86	32.920	*****	25.20	277	278	.1382
75	10.84	32.930	*****							75	10.84	32.930	*****	25.21	276	277	.2077

제 3 편

한 일 공 동 해 양 관 측 성 적

(400선)

(수온, 염분 및 기상관측자료)

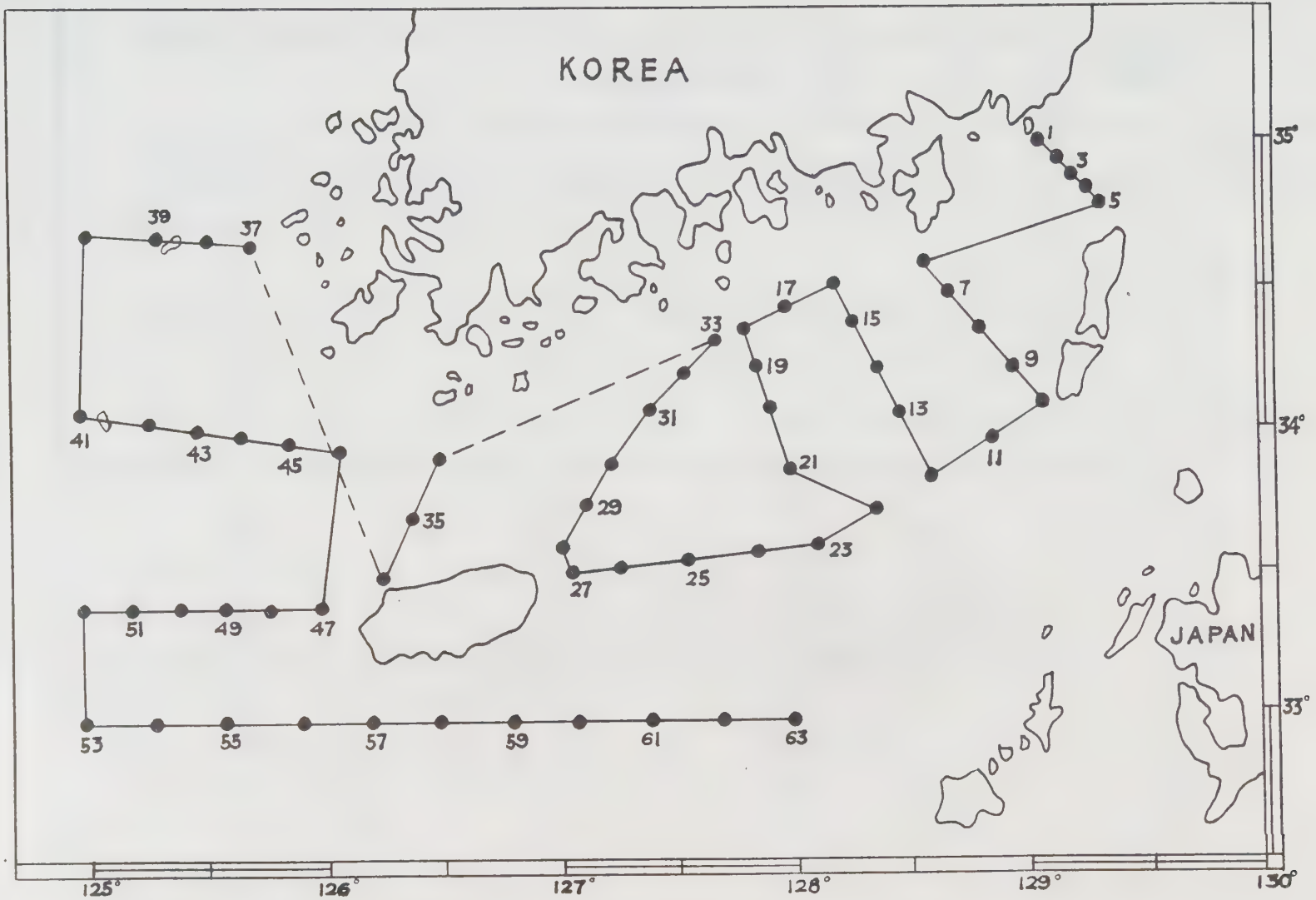
PART 3

KOREA-JAPAN COOPERATIVE OCEANOGRAPHIC DATA

(Line 400)

(Temperature, Salinity and Meteorological Data)

1 9 8 1



한일 공동 해양관측점 위치도

Location of the Korea-Japan Cooperative Oceanographic Stations

한일 공동 해양관측점 위치표

Position of the Korea-Japan Cooperative Oceanographic Stations

St. No.	Latitude (N)	Longitude (E)	Serial Oceon St. No.
01	35° 01.3′	129° 07.2′	207 / 01
02	34° 57.6′	129° 11.2′	02
03	34° 53.9′	129° 15.4′	03
04	34° 50.2′	129° 19.5′	04
05	34° 48.0′	129° 21.8′	05
06	34° 35.5′	128° 34.5′	206 / 01
07	34° 29.6′	128° 41.2′	02
08	34° 22.4′	128° 49.7′	03
09	34° 15.3′	128° 58.0′	04
10	34° 08.1′	129° 06.3′	05
11	33° 58.3′	128° 54.0′	
12	33° 51.7′	128° 39.0′	
13	34° 04.6′	128° 30.0′	
14	34° 13.5′	128° 24.0′	
15	34° 22.2′	128° 18.4′	
16	34° 31.0′	128° 12.2′	
17	34° 27.0′	128° 00.5′	
18	34° 22.3′	127° 48.5′	205 / 01
19	34° 15.0′	127° 52.1′	02
20	34° 05.5′	127° 56.9′	03
21	33° 51.5′	128° 03.0′	04
22	33° 44.3′	128° 23.9′	
23	33° 37.3′	128° 09.2′	205 / 05
24	33° 35.6′	127° 51.9′	
25	33° 33.6′	127° 34.0′	
26	33° 31.7′	127° 11.8′	
27	33° 30.3′	127° 04.5′	
28	33° 35.8′	127° 03.2′	204 / 06
29	33° 45.5′	127° 09.2′	05
30	33° 54.1′	127° 15.2′	04
31	34° 06.7′	127° 26.8′	03
32	34° 13.7′	127° 35.4′	02
33	34° 20.8′	127° 43.9′	204 / 01
34	33° 56.6′	126° 31.4′	203 / 01
35	33° 47.5′	126° 26.3′	02
36	33° 38.3′	126° 21.3′	03
37	34° 43.0′	125° 43.9′	311 / 04
38	34° 43.0′	125° 31.9′	05
39	34° 43.0′	125° 19.4′	06
40	34° 43.0′	125° 00.0′	07
41	34° 05.5′	125° 00.0′	312 / 07
42	34° 04.1′	125° 18.0′	06
43	34° 02.6′	125° 30.0′	05
44	34° 01.3′	125° 42.0′	04
45	33° 59.8′	125° 54.0′	03
46	33° 58.5′	126° 06.0′	02
47	33° 24.4′	126° 00.0′	313 / 02
48	33° 24.4′	125° 48.0′	03
49	33° 24.4′	125° 36.0′	04
50	33° 24.4′	125° 24.0′	05
51	33° 24.4′	125° 12.0′	06
52	33° 24.4′	125° 00.0′	07
53	33° 00.0′	125° 00.0′	314 / 10
54	33° 00.0′	125° 18.0′	09
55	33° 00.0′	125° 36.0′	08
56	33° 00.0′	125° 54.0′	07
57	33° 00.0′	126° 12.0′	06
58	33° 00.0′	126° 30.0′	05
59	33° 00.0′	126° 48.0′	04
60	33° 00.0′	127° 06.0′	03
61	33° 00.0′	127° 24.0′	02
62	33° 00.0′	127° 42.0′	01
63	33° 00.0′	128° 00.0′	00

400선 해양관측 성적

Oceanographic Data. Line 400

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

2 월(February)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58.3. N, 128-54.0. E, FEB.13.1981, 13.40 KST, DEPTH 119 , COLOR 3, TRANS. 3.0,

WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1006. , AIR TEMP. DRY 11.8, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	14.09	34.710	*****	0	14.09	34.710	*****	25.96	205	205	.0000
10	14.11	34.740	*****	10	14.11	34.740	*****	25.98	203	203	.0204
20	14.13	34.750	*****	20	14.13	34.750	*****	25.99	203	203	.0408
30	14.12	34.710	*****	30	14.12	34.710	*****	25.96	206	206	.0613
50	14.16	34.750	*****	50	14.16	34.750	*****	25.98	203	204	.1024
75	14.12	34.720	*****	75	14.12	34.720	*****	25.96	205	207	.1539
100	14.15	34.730	*****	100	14.15	34.730	*****	25.97	205	207	.2058
115	14.18	34.710	*****								

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-51.7. N, 128-39.0. E, FEB.13.1981, 15.20 KST, DEPTH 104 , COLOR 3, TRANS. 3.0,

WAVE NW 2, SWELL NW 1, WIND NE 3, BARO 1007. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	14.09	34.670	*****	0	14.09	34.670	*****	25.93	208	208	.0000
10	14.13	34.680	*****	10	14.13	34.680	*****	25.93	208	208	.0208
20	14.11	34.680	*****	20	14.11	34.680	*****	25.94	208	208	.0417
30	14.10	34.690	*****	30	14.10	34.690	*****	25.95	207	207	.0624
50	14.08	34.720	*****	50	14.08	34.720	*****	25.97	204	205	.1038
75	14.13	34.720	*****	75	14.13	34.720	*****	25.96	205	207	.1554
100	14.09	34.740	*****	100	14.09	34.740	*****	25.99	203	205	.2070

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-04.6. N, 128-30.0. E, FEB.13.1981, 11.05 KST, DEPTH 93 , COLOR 3, TRANS. 2.0,

WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1009. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE NS, AMT 7, WEATHER C ,

0	10.71	34.340	*****							0	10.71	34.340	*****	26.33	170	169	.0000
10	10.69	34.390	*****							10	10.69	34.390	*****	26.41	162	162	.0166
20	10.67	34.450	*****							20	10.67	34.450	*****	26.46	158	158	.0327
30	10.38	34.400	*****							30	10.38	34.400	*****	26.44	160	160	.0486
50	10.32	34.410	*****							50	10.32	34.410	*****	26.46	158	159	.0806
75	10.31	34.390	*****							75	10.31	34.390	*****	26.44	159	161	.1207
90	10.24	34.450	*****														

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-13.5. N, 128-24.0. E, FEB.13.1981, 10.00 KST, DEPTH 84 , COLOR 4, TRANS. 4.0,

WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1009. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	11.04	34.440	*****							0	11.04	34.440	*****	26.35	168	168	.0000
10	10.91	34.460	*****							10	10.91	34.460	*****	26.39	164	164	.0166
20	10.78	34.420	*****							20	10.78	34.420	*****	26.38	165	165	.0332
30	10.52	34.410	*****							30	10.52	34.410	*****	26.42	161	162	.0496
50	10.35	34.390	*****							50	10.35	34.390	*****	26.44	160	161	.0819
75	10.26	34.380	*****							75	10.26	34.380	*****	26.44	159	161	.1222

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-22.2. N, 128-18.4. E, FEB.13.1981, 09.00 KST, DEPTH 68 , COLOR 3, TRANS. 4.0,

WAVE NW 2, SWELL NW 1, WIND NW 2, BARO 1009. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	11.56	34.550	*****							0	11.56	34.550	*****	26.34	169	169	.0000
10	11.61	34.560	*****							10	11.61	34.560	*****	26.34	169	169	.0169
20	11.60	34.560	*****							20	11.60	34.560	*****	26.34	169	169	.0339

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	11.60	34.400	*****							30	11.60	34.400	*****	26.22	181	181	.0514
50	10.38	34.390	*****							50	10.38	34.390	*****	26.43	161	161	.0858

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-31.0. N, 128-12.2. E, FEB.13.1981, 06.15 KST, DEPTH 43 , COLOR 4, TRANS. 4.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1007.5, AIR TEMP. DRY 10.0. WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	10.70	34.320	*****							0	10.70	34.320	*****	26.32	171	171	.0000
10	10.71	34.090	*****							10	10.71	34.090	*****	26.14	188	188	.0180
20	10.58	34.030	*****							20	10.58	34.030	*****	26.12	190	191	.0370
30	10.43	33.990	*****							30	10.43	33.990	*****	26.11	191	191	.0561
40	10.24	33.940	*****														

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-27.0. N, 128-00.5. E, FEB.13.1981, 07.15 KST, DEPTH 38 , COLOR 4, TRANS. 3.0,

WAVE NW 2, SWELL NW 1, WIND NW 3, BARO 1008. , AIR TEMP. DRY 7.2, WET . , CLOUD. TYPE NS, AMT 8, WEATHER C ,

0	9.85	34.320	*****							0	9.85	34.320	*****	26.47	157	157	.0000
10	9.69	34.290	*****							10	9.69	34.290	*****	26.47	157	157	.0157
20	9.60	34.270	*****							20	9.60	34.270	*****	26.47	157	157	.0315
30	9.46	34.310	*****							30	9.46	34.310	*****	26.52	152	152	.0469

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-44.3. N, 128-23.9. E, FEB.13.1981, 17.10 KST, DEPTH 102 , COLOR 3, TRANS. 3.0,

WAVE N 3, SWELL N 1, WIND NE 4, BARO 1007. , AIR TEMP. DRY 12.8, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	14.26	34.720	*****							0	14.26	34.720	*****	25.93	208	207	.0000
10	14.30	34.740	*****							10	14.30	34.740	*****	25.94	207	207	.0208
20	13.76	34.750	*****							20	13.76	34.750	*****	26.06	195	196	.0409
30	14.06	34.750	*****							30	14.06	34.750	*****	26.00	201	202	.0609

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.24	34.740	*****							50	14.24	34.740	*****	25.95	206	207	.1018
75	14.35	34.720	*****							75	14.35	34.720	*****	25.92	209	211	.1542
100	14.33	34.770	*****							100	14.33	34.770	*****	25.96	205	208	.2067

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-35.6. N, 127-51.9. E, FEB.19.1981, 03.10 KST, DEPTH 100 , COLOR 4, TRANS. 6.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1018. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE SC, AMT 5, WEATHER B ,

0	14.50	34.610	*****							0	14.50	34.610	*****	25.80	221	220	.0000
10	14.52	34.620	*****							10	14.52	34.620	*****	25.80	220	220	.0221
20	14.57	34.650	*****							20	14.57	34.650	*****	25.81	219	219	.0441
30	14.54	34.600	*****							30	14.54	34.600	*****	25.78	222	223	.0662
50	14.60	34.600	*****							50	14.60	34.600	*****	25.77	223	224	.1110
75	14.59	34.620	*****							75	14.59	34.620	*****	25.79	222	223	.1671
95	14.60	34.600	*****														

KOREA ,TAE BAEK SAN , STATION 400-25 , 33-33.6. N, 127-34.0. E, FEB.19.1981, 01.35 KST, DEPTH 100 , COLOR 4, TRANS. 4.0,
WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1018. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE SC, AMT 5, WEATHER B .

0	14.53	34.600	*****							0	14.53	34.600	*****	25.78	222	222	.0000
10	14.60	34.620	*****							10	14.60	34.620	*****	25.78	222	222	.0222
20	14.57	34.610	*****							20	14.57	34.610	*****	25.78	222	222	.0445
30	14.60	34.610	*****							30	14.60	34.610	*****	25.78	223	223	.0668
50	14.59	34.640	*****							50	14.59	34.640	*****	25.80	220	221	.1113
75	14.60	34.610	*****							75	14.60	34.610	*****	25.78	223	224	.1671
95	14.64	34.630	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-26 , 33-31.7. N, 127-11.8. E, FEB.18.1981, 23.40 KST, DEPTH 130 , COLOR 4, TRANS. 4.0,

WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1018. , AIR TEMP. DRY 9.2, WET . , CLOUD. TYPE SC, AMT 5, WEATHER B ,

0	12.80	34.550	*****	0	12.80	34.550	*****	26.10	192	191	.0000
10	13.97	34.550	*****	10	13.97	34.550	*****	25.86	214	214	.0203
20	14.12	34.540	*****	20	14.12	34.540	*****	25.83	218	218	.0420
30	14.14	34.550	*****	30	14.14	34.550	*****	25.83	218	218	.0639
50	14.20	34.510	*****	50	14.20	34.510	*****	25.79	222	223	.1081
75	14.18	34.460	*****	75	14.18	34.460	*****	25.75	225	227	.1644
100	14.17	34.460	*****	100	14.17	34.460	*****	25.75	225	227	.2213
125	14.19	34.470	*****	125	14.19	34.470	*****	25.76	225	228	.2782

KOREA ,TAE BAEK SAN , STATION 400-27 , 33-30.3. N, 127-04.5. E, FEB.18.1981, 22.00 KST, DEPTH 130 , COLOR 4, TRANS. 4.0,

WAVE NW 3, SWELL NW 1, WIND NW 4, BARO 1018. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE SC, AMT 5, WEATHER B ,

0	12.80	34.590	*****	0	12.80	34.590	*****	26.13	189	188	.0000
10	13.29	34.600	*****	10	13.29	34.600	*****	26.04	197	197	.0193
20	13.27	34.600	*****	20	13.27	34.600	*****	26.05	197	197	.0391
30	13.31	34.620	*****	30	13.31	34.620	*****	26.05	196	197	.0588
50	13.30	34.580	*****	50	13.30	34.580	*****	26.03	199	200	.0986
75	13.30	34.600	*****	75	13.30	34.600	*****	26.04	197	199	.1486
100	13.31	34.590	*****	100	13.31	34.590	*****	26.03	198	201	.1987
125	13.30	34.580	*****	125	13.30	34.580	*****	26.03	199	202	.2491

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

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KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58.3. N, 128-54.0. E, APR. 7.1981, 14.30 KST, DEPTH 120 , COLOR 3, TRANS. 13.0,
WAVE NE 2, SWELL NE 1, WIND E 3, BARO 1018. , AIR TEMP. DRY 16.1, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
0	15.24	34.660	*****							0	15.24	34.660	*****	25.68	232	232	.0000
10	14.80	34.660	*****							10	14.80	34.660	*****	25.77	223	223	.0228
20	14.40	34.600	*****							20	14.40	34.600	*****	25.81	219	219	.0450
30	14.30	34.590	*****							30	14.30	34.590	*****	25.83	218	218	.0669
50	14.25	34.580	*****							50	14.25	34.580	*****	25.83	218	219	.1107
75	14.19	34.650	*****							75	14.19	34.650	*****	25.90	211	213	.1648
100	14.11	34.660	*****							100	14.11	34.660	*****	25.92	209	211	.2180
117	13.90	34.660	*****														

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-51.7. N, 128-39.0. E, APR. 7.1981, 16.30 KST, DEPTH 105 , COLOR 3, TRANS. 13.0,
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1018. , AIR TEMP. DRY 17.4, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
0	15.31	34.670	*****							0	15.31	34.670	*****	25.67	233	233	.0000
10	15.09	34.680	*****							10	15.09	34.680	*****	25.72	228	228	.0231
20	14.90	34.680	*****							20	14.90	34.680	*****	25.77	224	224	.0457
30	14.89	34.690	*****							30	14.89	34.690	*****	25.78	223	223	.0681
50	14.81	34.690	*****							50	14.81	34.690	*****	25.79	221	222	.1127
75	14.62	34.690	*****							75	14.62	34.690	*****	25.83	217	219	.1680
100	14.50	34.690	*****							100	14.50	34.690	*****	25.86	215	217	.2226

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-04.6. N, 128-30.0. E, APR. 7.1981, 12.20 KST, DEPTH 90 , COLOR 2, TRANS. 13.0,
WAVE E 1, SWELL E 1, WIND E 2, BARO 1018. , AIR TEMP. DRY 18.2, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

OBSERVED										INTERPOLATED				CALCULATED			
0	14.47	34.550	*****							0	14.47	34.550	*****	25.76	224	224	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	14.07	34.520	*****							10	14.07	34.520	*****	25.82	218	218	.0222
20	14.00	34.520	*****							20	14.00	34.520	*****	25.84	217	217	.0440
30	13.93	34.520	*****							30	13.93	34.520	*****	25.85	216	216	.0657
50	14.00	34.530	*****							50	14.00	34.530	*****	25.84	216	217	.1092
75	13.90	34.520	*****							75	13.90	34.520	*****	25.86	215	217	.1636
87	13.88	34.530	*****														

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-13.5. N, 128-24.0. E, APR. 7.1981, 11.00 KST, DEPTH 75 , COLOR 3, TRANS. 13.0,

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1017. , AIR TEMP. DRY 16.1, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	14.12	34.470	*****							0	14.12	34.470	*****	25.77	223	223	.0000
10	13.79	34.490	*****							10	13.79	34.490	*****	25.86	215	215	.0219
20	13.68	34.490	*****							20	13.68	34.490	*****	25.88	213	213	.0434
30	13.27	34.470	*****							30	13.27	34.470	*****	25.95	206	207	.0645
50	12.75	34.400	*****							50	12.75	34.400	*****	26.00	202	203	.1055
72	12.70	34.360	*****														

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-22.2. N, 128-18.4. E, APR. 7.1981, 09.40 KST, DEPTH 65 , COLOR 4, TRANS. 10.0,

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1017. , AIR TEMP. DRY 15.6, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	12.33	34.350	*****							0	12.33	34.350	*****	26.04	198	197	.0000
10	12.08	34.350	*****							10	12.08	34.350	*****	26.09	193	193	.0196
20	11.76	34.330	*****							20	11.76	34.330	*****	26.13	189	189	.0387
30	11.70	34.280	*****							30	11.70	34.280	*****	26.11	191	192	.0578
50	11.40	34.290	*****							50	11.40	34.290	*****	26.17	185	186	.0957
62	11.30	34.280	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-31.0. N, 128-12.2. E, APR. 7.1981, 06.20 KST, DEPTH 43 , COLOR 4, TRANS. 10.0,
WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1024. , AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	10.60	34.280	*****	0	10.60	34.280	*****	26.31	172	172	.0000
10	10.57	34.290	*****	10	10.57	34.290	*****	26.32	171	171	.0172
20	10.40	34.290	*****	20	10.40	34.290	*****	26.35	168	168	.0342
30	10.23	34.280	*****	30	10.23	34.280	*****	26.37	166	167	.0510
40	10.20	34.270	*****								

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-27.0. N, 128-00.5. E, APR. 7.1981, 07.40 KST, DEPTH 36 , COLOR 4, TRANS. 10.0,
WAVE W 1, SWELL W 1, WIND W 1, BARO 1004.5, AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE CI, AMT 1, WEATHER B ,

0	11.34	34.350	*****	0	11.34	34.350	*****	26.23	180	180	.0000
10	11.07	34.310	*****	10	11.07	34.310	*****	26.25	178	178	.0179
20	10.89	34.260	*****	20	10.89	34.260	*****	26.24	179	179	.0358
30	10.90	34.270	*****	30	10.90	34.270	*****	26.25	178	178	.0537

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-44.3. N, 128-23.9. E, APR. 7.1981, 18.20 KST, DEPTH 108 , COLOR 2, TRANS. 11.0,
WAVE NE 2, SWELL NE 1, WIND NE 2, BARO 1018. , AIR TEMP. DRY 15.6, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	15.22	34.700	*****	0	15.22	34.700	*****	25.71	229	229	.0000
10	15.02	34.730	*****	10	15.02	34.730	*****	25.78	222	222	.0226
20	14.82	34.690	*****	20	14.82	34.690	*****	25.79	221	222	.0448
30	14.81	34.690	*****	30	14.81	34.690	*****	25.79	221	222	.0671
50	14.72	34.710	*****	50	14.72	34.710	*****	25.83	218	219	.1112
75	14.71	34.650	*****	75	14.71	34.650	*****	25.78	222	224	.1666
100	14.60	34.670	*****	100	14.60	34.670	*****	25.82	218	221	.2223

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-35.6. N, 127-51.9. E, APR.11.1981, 17.15 KST, DEPTH 105 , COLOR 3, TRANS. 11.0,

WAVE , SWELL , WIND , BARO 1010. , AIR TEMP. DRY 17.9, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	15.50	34.580	*****	0	15.50	34.580	*****	25.56	244	243	.0000
10	15.20	34.590	*****	10	15.20	34.590	*****	25.63	236	236	.0240
20	15.10	34.590	*****	20	15.10	34.590	*****	25.65	234	235	.0476
30	15.10	34.620	*****	30	15.10	34.620	*****	25.68	232	233	.0711
50	15.07	34.590	*****	50	15.07	34.590	*****	25.66	234	235	.1179
75	14.65	34.560	*****	75	14.65	34.560	*****	25.73	227	229	.1760
100	14.45	34.560	*****	100	14.45	34.560	*****	25.77	223	226	.2330

KOREA ,TAE BAEK SAN , STATION 400-25 , 33-33.6. N, 127-34.0. E, APR.11.1981, 15.25 KST, DEPTH 104 , COLOR 3, TRANS. 11.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1011. , AIR TEMP. DRY 16.2, WET . , CLOUD. TYPE CI, AMT 6, WEATHER BC,

0	15.78	34.580	*****	0	15.78	34.580	*****	25.49	250	249	.0000
10	15.35	34.580	*****	10	15.35	34.580	*****	25.59	240	240	.0245
20	15.31	34.580	*****	20	15.31	34.580	*****	25.60	240	240	.0486
30	15.31	34.580	*****	30	15.31	34.580	*****	25.60	240	240	.0726
50	15.34	34.580	*****	50	15.34	34.580	*****	25.59	240	241	.1209
75	15.20	34.570	*****	75	15.20	34.570	*****	25.62	238	240	.1811
100	14.60	34.490	*****	100	14.60	34.490	*****	25.68	231	234	.2404

KOREA ,TAE BAEK SAN , STATION 400-26 , 33-31.7. N, 127-11.8. E, APR.11.1981, 13.35 KST, DEPTH 120 , COLOR 3, TRANS. 11.0,

WAVE NW 1, SWELL NW 1, WIND NW 1, BARO 1011. , AIR TEMP. DRY 16.3, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

0	15.99	34.520	*****	0	15.99	34.520	*****	25.40	258	258	.0000
10	15.64	34.560	*****	10	15.64	34.560	*****	25.51	248	248	.0254
20	15.59	34.560	*****	20	15.59	34.560	*****	25.52	247	247	.0502

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA T	D-T	SVA	D DY
30	15.54	34.560	*****							30	15.54	34.560	*****	25.53	246	246	.0749
50	15.45	34.560	*****							50	15.45	34.560	*****	25.55	244	245	.1241
75	15.20	34.550	*****							75	15.20	34.550	*****	25.60	239	241	.1851
100	15.20	34.550	*****							100	15.20	34.550	*****	25.60	239	242	.2456
117	15.18	34.560	*****														

KOREA ,TAE BAEK SAN , STATION 400-27 , 33-30.3. N, 127-04.5. E, APR.11.1981, 11.45 KST, DEPTH 125 , COLOR 3, TRANS. 11.0,
WAVE NW 1, SWELL NW 1, WIND NW 2, BARO 1012. , AIR TEMP. DRY 12.0, WET . , CLOUD. TYPE CS, AMT 1, WEATHER B ,

0	14.77	34.430	*****							0	14.77	34.430	*****	25.60	239	239	.0000
10	14.84	34.420	*****							10	14.84	34.420	*****	25.58	241	241	.0241
20	14.69	34.430	*****							20	14.69	34.430	*****	25.62	238	238	.0481
30	14.60	34.450	*****							30	14.60	34.450	*****	25.65	234	235	.0718
50	14.70	34.490	*****							50	14.70	34.490	*****	25.66	233	234	.1188
75	14.40	34.490	*****							75	14.40	34.490	*****	25.73	227	229	.1768
100	14.33	34.460	*****							100	14.33	34.460	*****	25.72	228	230	.2344
120	14.31	34.460	*****														

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KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58.3. N, 128-54.0. E, JUN.18.1981, 02.20 KST, DEPTH 110 , COLOR , TRANS. . ,
WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1003. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	21.45	33.130	*****							0	21.45	33.130	*****	22.97	490	490	.0000
10	16.94	33.510	*****							10	16.94	33.510	*****	24.41	353	353	.0422
20	14.75	33.720	*****							20	14.75	33.720	*****	25.06	291	291	.0744
30	14.32	33.800	*****							30	14.32	33.800	*****	25.21	276	277	.1029

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	14.07	33.890	*****							50	14.07	33.890	*****	25.33	265	266	.1572
75	14.05	33.960	*****							75	14.05	33.960	*****	25.39	259	261	.2231
100	14.25	34.410	*****							100	14.25	34.410	*****	25.70	230	232	.2849

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-51.7. N, 128-39.0. E, JUN.18.1981, 00.20 KST, DEPTH 100 , COLOR 3, TRANS. 12.0.

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1003. , AIR TEMP. DRY 20.2. WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	21.28	33.160	*****							0	21.28	33.160	*****	23.04	483	483	.0000
10	15.78	33.390	*****							10	15.78	33.390	*****	24.58	336	336	.0410
20	14.79	33.760	*****							20	14.79	33.760	*****	25.08	289	289	.0723
30	14.44	33.920	*****							30	14.44	33.920	*****	25.28	270	270	.1003
50	14.17	33.940	*****							50	14.17	33.940	*****	25.35	263	264	.1539
75	14.12	34.000	*****							75	14.12	34.000	*****	25.41	258	259	.2194
95	14.27	34.030	*****														

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-04.6. N, 128-30.0. E, JUN.18.1981, 04.30 KST, DEPTH 98 , COLOR , TRANS. . ,

WAVE SE 2, SWELL SE 1, WIND NE 3, BARO 1003. , AIR TEMP. DRY 19.4. WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	20.55	32.900	*****							0	20.55	32.900	*****	23.04	483	483	.0000
10	16.40	33.140	*****							10	16.40	33.140	*****	24.25	368	368	.0426
20	14.15	33.250	*****							20	14.15	33.250	*****	24.83	313	313	.0767
30	14.12	33.270	*****							30	14.12	33.270	*****	24.85	311	312	.1080
50	13.75	34.000	*****							50	13.75	34.000	*****	25.49	250	251	.1644
75	14.35	34.330	*****							75	14.35	34.330	*****	25.61	238	240	.2259
95	14.42	34.350	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-13.5. N, 128-24.0. E, JUN.18.1981, 06.00 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE SW 1, SWELL SW 1, WIND SW 2, BARO 1005. , AIR TEMP. DRY 18.9, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.12	33.070	*****							0	17.12	33.070	*****	24.03	389	389	.0000
10	14.15	33.310	*****							10	14.15	33.310	*****	24.87	309	309	.0349
20	13.80	33.570	*****							20	13.80	33.570	*****	25.14	283	283	.0646
30	13.32	33.920	*****							30	13.32	33.920	*****	25.51	248	248	.0912
50	14.10	34.250	*****							50	14.10	34.250	*****	25.61	239	240	.1401
75	14.05	34.260	*****							75	14.05	34.260	*****	25.62	237	239	.2000

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-22.2. N, 128-18.4. E, JUN.18.1981, 07.10 KST, DEPTH 67 , COLOR 3, TRANS. 11.0,

WAVE NE 1, SWELL NE 1, WIND SW 2, BARO 1005. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	17.73	33.300	*****							0	17.73	33.300	*****	24.06	386	386	.0000
10	14.51	33.440	*****							10	14.51	33.440	*****	24.90	306	306	.0347
20	13.86	33.480	*****							20	13.86	33.480	*****	25.06	291	291	.0646
30	13.51	33.550	*****							30	13.51	33.550	*****	25.19	279	279	.0931
50	13.74	34.150	*****							50	13.74	34.150	*****	25.60	239	240	.1451
65	13.78	34.140	*****														

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-31.0. N, 128-12.2. E, JUN.18.1981, 10.20 KST, DEPTH 45 , COLOR 4, TRANS. 12.0,

WAVE 1, SWELL 1, WIND SE 1, BARO 1006. , AIR TEMP. DRY 22.4, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.52	33.030	*****							0	17.52	33.030	*****	23.90	401	401	.0000
10	16.37	33.630	*****							10	16.37	33.630	*****	24.63	332	332	.0367
20	14.79	33.840	*****							20	14.79	33.840	*****	25.14	283	283	.0675
30	14.38	33.820	*****							30	14.38	33.820	*****	25.22	276	276	.0955
40	14.23	33.840	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-27.0. N, 128-00.5. E, JUN.18.1981, 09.00 KST, DEPTH 40 , COLOR 4, TRANS. 10.0,

WAVE NE 1, SWELL NE 1, WIND SW 1, BARO 1005. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	17.94	33.430	*****	0	17.94	33.430	*****	24.11	382	381	.0000
10	16.11	33.630	*****	10	16.11	33.630	*****	24.69	326	326	.0356
20	14.71	33.720	*****	20	14.71	33.720	*****	25.07	290	290	.0663
30	14.02	33.770	*****	30	14.02	33.770	*****	25.25	272	273	.0945
38	13.66	33.760	*****								

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-44.3. N, 128-23.9. E, JUN.17.1981, 22.30 KST, DEPTH 102 , COLOR , TRANS. . ,

WAVE SE 1, SWELL SE 1, WIND SE 2, BARO 1003. , AIR TEMP. DRY 21.6, WET . , CLOUD. TYPE , AMT , WEATHER F ,

0	21.17	33.260	*****	0	21.17	33.260	*****	23.15	473	473	.0000
10	19.58	33.420	*****	10	19.58	33.420	*****	23.69	422	422	.0448
20	16.60	33.640	*****	20	16.60	33.640	*****	24.58	336	336	.0827
30	16.80	33.750	*****	30	16.80	33.750	*****	24.62	332	333	.1162
50	14.27	33.800	*****	50	14.27	33.800	*****	25.22	275	276	.1772
75	14.05	34.180	*****	75	14.05	34.180	*****	25.56	243	245	.2425
100	14.85	34.330	*****	100	14.85	34.330	*****	25.51	248	251	.3045

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-35.6. N, 127-51.9. E, JUN.16.1981, 23.55 KST, DEPTH 100 , COLOR 3, TRANS. 11.0,

WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1002. , AIR TEMP. DRY 20.8, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	20.98	33.030	*****	0	20.98	33.030	*****	23.02	485	485	.0000
10	20.96	33.040	*****	10	20.96	33.040	*****	23.04	484	484	.0485
20	17.13	34.080	*****	20	17.13	34.080	*****	24.80	316	316	.0885
30	16.22	34.170	*****	30	16.22	34.170	*****	25.08	289	290	.1188

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	O2	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	O2	SIGMA-T	D-T	SVA	D-DY
50	15.91	34.360	*****							50	15.91	34.360	*****	25.30	268	270	.1748
75	14.81	34.400	*****							75	14.81	34.400	*****	25.57	242	244	.2392
97	14.67	34.480	*****														

KOREA ,TAE BAEK SAN , STATION 400-25 , 33-33.6. N, 127-34.0. E, JUN.17.1981, 01.35 KST, DEPTH 110 , COLOR 3, TRANS. 11.0,
WAVE NE 2, SWELL NE 1, WIND NE 3, BARO 1002. , AIR TEMP. DRY 20.6, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	20.91	33.060	*****							0	20.91	33.060	*****	23.07	481	481	.0000
10	17.14	33.170	*****							10	17.14	33.170	*****	24.10	382	382	.0432
20	16.36	34.340	*****							20	16.36	34.340	*****	25.18	280	280	.0764
30	14.33	34.340	*****							30	14.33	34.340	*****	25.63	237	237	.1023
50	14.80	34.350	*****							50	14.80	34.350	*****	25.53	246	247	.1508
75	14.80	34.410	*****							75	14.80	34.410	*****	25.58	241	243	.2121
100	14.70	34.450	*****							100	14.70	34.450	*****	25.63	236	239	.2725

KOREA ,TAE BAEK SAN , STATION 400-26 , 33-31.7. N, 127-11.8. E, JUN.17.1981, 03.40 KST, DEPTH 108 , COLOR 3, TRANS. 11.0,
WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1002. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	20.89	33.190	*****							0	20.89	33.190	*****	23.17	471	471	.0000
10	15.90	33.600	*****							10	15.90	33.600	*****	24.71	324	324	.0398
20	14.69	33.920	*****							20	14.69	33.920	*****	25.23	275	275	.0698
30	14.30	34.140	*****							30	14.30	34.140	*****	25.48	251	251	.0961
50	14.60	34.320	*****							50	14.60	34.320	*****	25.55	244	245	.1459
75	14.62	34.360	*****							75	14.62	34.360	*****	25.58	241	243	.2070
100	14.26	34.470	*****							100	14.26	34.470	*****	25.74	226	228	.2660

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-27 , 33-30.3. N, 127-04.5. E, JUN.17.1981, 05.20 KST, DEPTH 130 , COLOR , TRANS. . .

WAVE NE 1, SWELL NE 1, WIND NE 2, BARO 1003. , AIR TEMP. DRY 18.8. WET . . CLOUD. TYPE , AMT , WEATHER F ,

0	17.37	33.550	*****	0	17.37	33.550	*****	24.34	360	360	.0000
10	16.64	33.580	*****	10	16.64	33.580	*****	24.53	341	341	.0351
20	15.13	33.620	*****	20	15.13	33.620	*****	24.90	306	306	.0675
30	14.36	33.660	*****	30	14.36	33.660	*****	25.10	287	288	.0973
50	14.20	33.800	*****	50	14.20	33.800	*****	25.24	274	275	.1536
75	14.45	33.900	*****	75	14.45	33.900	*****	25.26	271	273	.2222
100	14.13	34.100	*****	100	14.13	34.100	*****	25.48	250	253	.2881
125	14.30	34.400	*****	125	14.30	34.400	*****	25.68	232	235	.3492

8 월 (August)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58.3. N, 128-54.0. E, AUG.20.1981, 19.20 KST, DEPTH 115 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 999. , AIR TEMP. DRY 27.6. WET . . CLOUD. TYPE , AMT , WEATHER ,

0	27.99	31.270	*****	0	27.99	31.270	*****	19.62	811	811	.0000
10	28.05	31.380	*****	10	28.05	31.380	*****	19.68	805	805	.0808
20	27.83	33.280	*****	20	27.83	33.280	*****	21.18	661	662	.1542
30	25.52	33.580	*****	30	25.52	33.580	*****	22.13	570	571	.2159
50	18.78	33.960	*****	50	18.78	33.960	*****	24.30	363	364	.3095
75	18.48	34.360	*****	75	18.48	34.360	*****	24.68	327	329	.3962
100	17.00	34.170	*****	100	17.00	34.170	*****	24.90	306	309	.4760

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D-DY

KOREA ,TAE PAEK SAN , STATION 400-12 , 33-51.7. N, 128-39.0. E, AUG.20.1981, 17.40 KST, DEPTH 100 , COLOR 3, TRANS. 15.0.

WAVE NE 2, SWELL NE 2, WIND NE 6, BARO 997. , AIR TEMP. DRY 28.4, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	28.07	31.720	*****	0	28.07	31.720	*****	19.93	781	781	.0000
10	24.30	31.890	*****	10	24.30	31.890	*****	21.23	657	657	.0719
20	20.74	32.920	*****	20	20.74	32.920	*****	23.00	487	487	.1292
30	19.23	33.720	*****	30	19.23	33.720	*****	24.01	391	392	.1732
50	17.31	33.830	*****	50	17.31	33.830	*****	24.56	338	339	.2464
75	16.61	34.210	*****	75	16.61	34.210	*****	25.02	295	297	.3260
95	15.50	34.550	*****								

KOREA ,TAE PAEK SAN , STATION 400-13 , 34-04.6. N, 128-30.0. E, AUG.20.1981, 21.30 KST, DEPTH 93 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 27.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.68	31.570	*****	0	27.68	31.570	*****	19.95	780	780	.0000
10	27.78	31.560	*****	10	27.78	31.560	*****	19.91	784	784	.0782
20	21.26	31.750	*****	20	21.26	31.750	*****	21.98	585	585	.1467
30	19.59	33.250	*****	30	19.59	33.250	*****	23.56	434	435	.1978
50	17.34	33.410	*****	50	17.34	33.410	*****	24.24	369	370	.2784
75	14.44	33.440	*****	75	14.44	33.440	*****	24.91	305	307	.3631
90	13.90	34.520	*****								

KOREA ,TAE PAEK SAN , STATION 400-14 , 34-13.5. N, 128-24.0. E, AUG.20.1981, 22.40 KST, DEPTH 80 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 997. , AIR TEMP. DRY 26.7, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.90	31.290	*****	0	26.90	31.290	*****	19.98	776	776	.0000
10	26.93	31.660	*****	10	26.93	31.660	*****	20.25	750	750	.0764

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	22.56	31.730	*****							20	22.56	31.730	*****	21.61	621	621	.1450
30	19.55	32.120	*****							30	19.55	32.120	*****	22.71	515	516	.2019
50	15.16	33.040	*****							50	15.16	33.040	*****	24.45	349	350	.2885
75	13.65	33.490	*****							75	13.65	33.490	*****	25.11	286	287	.3683

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-22.2. N, 128-18.4. E, AUG.20.1981, 23.50 KST, DEPTH 66 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 997. , AIR TEMP. DRY 26.8. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.54	31.400	*****							0	27.54	31.400	*****	19.86	788	788	.0000
10	27.74	31.350	*****							10	27.74	31.350	*****	19.76	798	798	.0793
20	20.44	32.170	*****							20	20.44	32.170	*****	22.51	534	534	.1459
30	18.10	32.480	*****							30	18.10	32.480	*****	23.34	454	455	.1954
50	15.58	33.040	*****							50	15.58	33.040	*****	24.36	358	359	.2769
62	14.94	34.060	*****														

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-31.0. N, 128-12.2. E, AUG.21.1981, 02.40 KST, DEPTH 44 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 996. , AIR TEMP. DRY 25.0. WET . , CLOUD. TYPE , AMT , WEATHER ,

0	27.19	31.180	*****							0	27.19	31.180	*****	19.81	793	793	.0000
10	27.19	31.120	*****							10	27.19	31.120	*****	19.77	797	797	.0795
20	19.81	32.210	*****							20	19.81	32.210	*****	22.71	515	515	.1452
30	17.45	32.700	*****							30	17.45	32.700	*****	23.67	424	424	.1922
40	15.13	33.390	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D T	SVA	D DY

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-27.0. N, 128-00.5. E, AUG.21.1981, 01.30 KST, DEPTH 39 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 996. , AIR TEMP. DRY 25.0, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.73	30.820	*****						0	26.73	30.820	*****	19.69	805	805	.0000
10	26.70	30.730	*****						10	26.70	30.730	*****	19.63	811	811	.0808
20	21.75	31.830	*****						20	21.75	31.830	*****	21.91	592	592	.1510
30	16.94	32.990	*****						30	16.94	32.990	*****	24.01	391	391	.2002

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-44.3. N, 128-23.9. E, AUG.20.1981, 16.00 KST, DEPTH 100 , COLOR 3, TRANS. 16.0,

WAVE NE 2, SWELL NE 2, WIND NE 6, BARO 997. , AIR TEMP. DRY 28.0, WET . , CLOUD. TYPE CU, AMT 8, WEATHER C ,

0	28.10	31.900	*****						0	28.10	31.900	*****	20.06	769	769	.0000
10	28.18	32.110	*****						10	28.18	32.110	*****	20.19	757	757	.0763
20	21.57	33.070	*****						20	21.57	33.070	*****	22.89	497	498	.1391
30	19.79	33.680	*****						30	19.79	33.680	*****	23.83	408	408	.1844
50	18.19	34.130	*****						50	18.19	34.130	*****	24.58	337	338	.2592
75	16.45	34.590	*****						75	16.45	34.590	*****	25.35	263	265	.3347
95	15.55	34.640	*****													

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-35.6. N, 127-51.9. E, AUG.18.1981, 20.10 KST, DEPTH 98 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 997. , AIR TEMP. DRY 26.8, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	26.80	30.470	*****						0	26.80	30.470	*****	19.40	832	832	.0000
10	28.10	32.160	*****						10	28.10	32.160	*****	20.25	750	750	.0792
20	25.17	32.420	*****						20	25.17	32.420	*****	21.37	644	644	.1489
30	19.94	32.630	*****						30	19.94	32.630	*****	22.99	488	488	.2056

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	17.88	33.420	*****							50	17.88	33.420	*****	24.11	381	382	.2927
75	17.75	34.030	*****							75	17.75	34.030	*****	24.61	334	335	.3826
95	15.25	34.350	*****														

KOREA , TAE BAEK SAN , STATION 400-25 , 33-33.6. N, 127-34.0. E, AUG.18.1981, 21.50 KST, DEPTH 100 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 26.9. WET , , CLOUD. TYPE , AMT , WEATHER ,

0	27.00	30.120	*****						0	27.00	30.120	*****	19.08	864	863	.0000
10	26.03	30.440	*****						10	26.03	30.440	*****	19.62	812	812	.0838
20	22.70	31.590	*****						20	22.70	31.590	*****	21.46	634	635	.1562
30	22.02	32.740	*****						30	22.02	32.740	*****	22.52	533	534	.2146
50	18.62	33.470	*****						50	18.62	33.470	*****	23.97	395	396	.3077
75	16.86	33.690	*****						75	16.86	33.690	*****	24.56	338	340	.3998
95	14.33	33.710	*****														

KOREA , TAE BAEK SAN , STATION 400-26 , 33-31.7. N, 127-11.8. E, AUG.18.1981, 23.30 KST, DEPTH 108 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 997. , AIR TEMP. DRY 26.0. WET , , CLOUD. TYPE , AMT , WEATHER ,

0	26.83	30.030	*****						0	26.83	30.030	*****	19.06	865	865	.0000
10	24.80	31.000	*****						10	24.80	31.000	*****	20.41	735	735	.0801
20	22.81	32.170	*****						20	22.81	32.170	*****	21.87	595	596	.1467
30	19.82	32.890	*****						30	19.82	32.890	*****	23.22	466	466	.1998
50	20.06	33.720	*****						50	20.06	33.720	*****	23.79	412	413	.2879
75	16.42	33.640	*****						75	16.42	33.640	*****	24.63	332	334	.3813
100	14.41	33.640	*****						100	14.41	33.640	*****	25.07	290	292	.4597

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-27 , 33-30.3. N, 127-04.5. E, AUG.19.1981, 01.10 KST, DEPTH 130 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 998. , AIR TEMP. DRY 25.9. WET . , CLOUD. TYPE , AMT , WEATHER .

0	27.40	30.270	*****	0	27.40	30.270	*****	19.06	865	865	.0000
10	26.12	30.780	*****	10	26.12	30.780	*****	19.84	790	790	.0828
20	22.97	31.210	*****	20	22.97	31.210	*****	21.10	669	670	.1558
30	18.49	32.430	*****	30	18.49	32.430	*****	23.21	467	468	.2127
50	17.45	33.280	*****	50	17.45	33.280	*****	24.11	381	382	.2978
75	16.45	33.600	*****	75	16.45	33.600	*****	24.59	336	337	.3879
100	15.25	33.830	*****	100	15.25	33.830	*****	25.04	293	296	.4672
125	14.92	34.540	*****	125	14.92	34.540	*****	25.65	234	237	.5339

10월 (October)

KOREA ,JI RI SAN , STATION 400-11 , 33-58.3. N, 128-54.0. E, OCT.13.1981, 09.10 KST, DEPTH 114 , COLOR 3, TRANS. 17.0,

WAVE 2, SWELL 2, WIND NE 4, BARO 1020.5, AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	23.43	34.010	*****	0	23.43	34.010	*****	23.08	479	479	.0000
10	23.46	34.000	*****	10	23.46	34.000	*****	23.06	481	481	.0481
20	23.59	34.000	*****	20	23.59	34.000	*****	23.03	485	485	.0964
30	23.49	34.060	*****	30	23.49	34.060	*****	23.10	478	478	.1446
50	23.55	34.010	*****	50	23.55	34.010	*****	23.05	483	484	.2410
75	22.90	33.950	*****	75	22.90	33.950	*****	23.19	469	471	.3605
100	21.80	34.110	*****	100	21.80	34.110	*****	23.62	428	431	.4734
110	21.27	34.320	*****								

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 400-12 , 33-51.7. N, 128-39.0. E, OCT.13.1981, 10.55 KST, DEPTH 105 , COLOR 4, TRANS. 15.0,

WAVE 2, SWELL 2, WIND NE 4, BARO 1020. , AIR TEMP. DRY 20.0, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	23.69	34.070	*****	0	23.69	34.070	*****	23.05	482	482	.0000
10	23.63	34.030	*****	10	23.63	34.030	*****	23.04	484	484	.0483
20	23.66	34.030	*****	20	23.66	34.030	*****	23.03	484	485	.0968
30	23.60	34.070	*****	30	23.60	34.070	*****	23.08	480	481	.1451
50	23.67	34.030	*****	50	23.67	34.030	*****	23.03	485	486	.2419
75	23.11	34.420	*****	75	23.11	34.420	*****	23.48	441	443	.3582
100	19.42	34.570	*****	100	19.42	34.570	*****	24.60	334	337	.4558

KOREA ,JI RI SAN , STATION 400-13 , 34-04.6. N, 128-30.0. E, OCT.13.1981, 06.45 KST, DEPTH 93 , COLOR 4, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NE 3, BARO 1020.5, AIR TEMP. DRY 20.4, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	23.65	34.010	*****	0	23.65	34.010	*****	23.02	486	485	.0000
10	23.64	34.000	*****	10	23.64	34.000	*****	23.01	486	486	.0486
20	23.65	34.000	*****	20	23.65	34.000	*****	23.01	486	487	.0973
30	23.61	34.040	*****	30	23.61	34.040	*****	23.05	482	483	.1458
50	23.63	34.010	*****	50	23.63	34.010	*****	23.02	485	486	.2429
75	21.32	34.450	*****	75	21.32	34.450	*****	24.01	391	393	.3529
90	19.54	34.570	*****								

KOREA ,JI RI SAN , STATION 400-14 , 34-13.5. N, 128-24.0. E, OCT.13.1981, 05.30 KST, DEPTH 80 , COLOR 4, TRANS. 17.0,

WAVE 1, SWELL 1, WIND N 3, BARO 1021. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE NS, AMT 9, WEATHER C ,

0	23.06	33.950	*****	0	23.06	33.950	*****	23.14	474	473	.0000
10	23.15	33.950	*****	10	23.15	33.950	*****	23.12	476	476	.0475

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
20	23.11	33.960	*****							20	23.11	33.960	*****	23.14	474	475	.0951
30	23.03	33.960	*****							30	23.03	33.960	*****	23.16	472	473	.1425
50	23.02	33.960	*****							50	23.02	33.940	*****	23.15	473	475	.2374
75	23.02	33.970	*****							75	23.02	33.970	*****	23.17	471	473	.3559

KOREA ,JI RI SAN , STATION 400-15 , 34-22.2. N, 128-18.4. E, OCT.13.1981, 04.15 KST, DEPTH 65 , COLOR 4, TRANS. 18.0,
WAVE 1, SWELL 1, WIND N 3, BARO 1021. , AIR TEMP. DRY 19.4, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	22.87	33.950	*****							0	22.87	33.950	*****	23.20	468	468	.0000
10	22.88	33.980	*****							10	22.88	33.980	*****	23.22	467	467	.0468
20	22.89	33.960	*****							20	22.89	33.960	*****	23.20	468	469	.0936
30	22.70	33.910	*****							30	22.70	33.910	*****	23.21	467	467	.1404
50	19.33	34.050	*****							50	19.33	34.050	*****	24.23	370	371	.2244
60	17.81	34.220	*****														

KOREA ,JI RI SAN , STATION 400-16 , 34-31.0. N, 128-12.2. E, OCT.13.1981, 03.00 KST, DEPTH 42 , COLOR 4, TRANS. 19.0,
WAVE 1, SWELL 1, WIND N 3, BARO 1021. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE NS, AMT 10, WEATHER C ,

0	19.05	33.320	*****							0	19.05	33.320	*****	23.75	416	416	.0000
10	19.05	33.290	*****							10	19.05	33.290	*****	23.72	418	418	.0417
20	19.33	33.430	*****							20	19.33	33.430	*****	23.76	415	415	.0834
30	19.91	33.760	*****							30	19.91	33.760	*****	23.86	405	406	.1245
37	18.81	33.990	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 400-17 , 34-27.0. N, 128-00.5. E, OCT.13.1981, 21.00 KST, DEPTH 39 , COLOR 6, TRANS. 13.0,

WAVE 2, SWELL 2, WIND NW 4, BARO 1019. , AIR TEMP. DRY 18.8, WET . , CLOUD. TYPE NS, AMT 6, WEATHER BC,

0	20.05	33.290	*****	0	20.05	33.290	*****	23.47	443	442	.0000
10	20.08	33.270	*****	10	20.08	33.270	*****	23.44	445	445	.0444
20	20.10	33.270	*****	20	20.10	33.270	*****	23.44	445	446	.0890
30	20.11	33.270	*****	30	20.11	33.270	*****	23.44	446	446	.1336

KOREA ,JI RI SAN , STATION 400-22 , 33-44.3. N, 128-23.9. E, OCT.13.1981, 12.40 KST, DEPTH 103 , COLOR 3, TRANS. 14.0,

WAVE 2, SWELL 1, WIND NE 4, BARO 1021. , AIR TEMP. DRY 20.2, WET . , CLOUD. TYPE NS, AMT 10, WEATHER R ,

0	23.60	34.050	*****	0	23.60	34.050	*****	23.06	481	481	.0000
10	23.70	34.040	*****	10	23.70	34.040	*****	23.03	485	485	.0483
20	23.65	34.040	*****	20	23.65	34.040	*****	23.04	483	484	.0968
30	23.88	34.030	*****	30	23.88	34.030	*****	22.96	491	491	.1456
50	22.92	34.000	*****	50	22.92	34.000	*****	23.22	466	467	.2416
75	18.62	34.120	*****	75	18.62	34.120	*****	24.46	347	349	.3438
95	17.67	34.160	*****								

KOREA ,JI RI SAN , STATION 400-24 , 33-55.6. N, 127-51.9. E, OCT.15.1981, 18.45 KST, DEPTH 90 , COLOR 5, TRANS. 13.0,

WAVE 1, SWELL 1, WIND NW 2, BARO 1018.5, AIR TEMP. DRY 18.3, WET . , CLOUD. TYPE AC, AMT 3, WEATHER B ,

0	24.26	34.150	*****	0	24.26	34.150	*****	22.94	493	492	.0000
10	24.28	34.130	*****	10	24.28	34.130	*****	22.92	495	495	.0494
20	24.27	34.120	*****	20	24.27	34.120	*****	22.92	495	495	.0990
30	24.30	34.110	*****	30	24.30	34.110	*****	22.90	497	497	.1486

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
50	24.17	34.130	*****							50	24.17	34.130	*****	22.95	492	493	.2478
75	21.63	34.350	*****							75	21.63	34.350	*****	23.85	406	408	.3606
85	20.23	34.490	*****														

KOREA ,JI RI SAN , STATION 400-25 , 33-33.6. N, 127-34.0. E, OCT.15.1981, 16.55 KST, DEPTH 95 , COLOR 4, TRANS. 16.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1019. , AIR TEMP. DRY 20.2. WET . , CLOUD. TYPE AC, AMT 3, WEATHER B ,

0	24.30	34.140	*****							0	24.30	34.140	*****	22.92	495	494	.0000
10	24.34	34.140	*****							10	24.34	34.140	*****	22.91	496	496	.0495
20	24.33	34.130	*****							20	24.33	34.130	*****	22.91	496	496	.0992
30	24.39	34.140	*****							30	24.39	34.140	*****	22.90	497	498	.1490
50	23.29	34.140	*****							50	23.29	34.140	*****	23.22	466	468	.2456
75	23.83	34.250	*****							75	23.83	34.250	*****	23.15	473	475	.3636
90	19.71	34.520	*****														

KOREA ,JI RI SAN , STATION 400-26 , 33-31.7. N, 127-11.8. E, OCT.15.1981, 14.40 KST, DEPTH 120 , COLOR 3, TRANS. 19.0,
WAVE 1, SWELL 1, WIND NW 2, BARO 1020. , AIR TEMP. DRY 22.0, WET . , CLOUD. TYPE AC, AMT 2, WEATHER B ,

0	24.02	34.030	*****							0	24.02	34.030	*****	22.92	495	496	.0000
10	24.07	34.020	*****							10	24.07	34.020	*****	22.90	497	497	.0496
20	24.06	34.010	*****							20	24.06	34.010	*****	22.90	497	497	.0994
30	24.07	34.000	*****							30	24.07	34.000	*****	22.89	498	499	.1492
50	24.10	33.990	*****							50	24.10	33.990	*****	22.87	500	501	.2493
75	23.94	34.000	*****							75	23.94	34.000	*****	22.92	494	497	.3741
100	19.97	34.000	*****							100	19.97	34.000	*****	24.03	389	392	.4853
115	17.87	34.000	*****														

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,JI RI SAN , STATION 400-27 , 33-30.3. N, 127-04.5. E, OCT.15.1981, 13.40 KST, DEPTH 130 , COLOR 3, TRANS. 19.0,

WAVE 1, SWELL 1, WIND NNW 2, BARO 1020. , AIR TEMP. DRY 23.5, WET . , CLOUD. TYPE CI, AMT 2, WEATHER B ,

0	23.12	33.930	*****	0	23.12	33.930	*****	23.11	477	476	.0000
10	23.32	34.010	*****	10	23.32	34.010	*****	23.11	476	476	.0477
20	23.25	33.980	*****	20	23.25	33.980	*****	23.11	477	477	.0954
30	22.80	33.960	*****	30	22.80	33.960	*****	23.22	466	466	.1426
50	22.47	33.970	*****	50	22.47	33.970	*****	23.33	456	457	.2351
75	22.34	33.960	*****	75	22.34	33.960	*****	23.35	453	455	.3494
100	18.65	33.970	*****	100	18.65	33.970	*****	24.34	359	362	.4517
125	16.76	34.060	*****	125	16.76	34.060	*****	24.87	309	312	.5360

12월 (December)

KOREA ,TAE BAEK SAN , STATION 400-11 , 33-58.3. N, 128-54.0. E, DEC. 8.1981, 21.20 KST, DEPTH 103 , COLOR , TRANS. . ,

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	18.30	34.370	*****	0	18.30	34.370	*****	24.74	322	321	.0000
10	18.35	34.390	*****	10	18.35	34.390	*****	24.74	321	321	.0322
20	18.43	34.400	*****	20	18.43	34.400	*****	24.73	323	323	.0645
30	18.41	34.390	*****	30	18.41	34.390	*****	24.72	323	323	.0968
50	18.40	34.420	*****	50	18.40	34.420	*****	24.75	320	322	.1614
75	18.37	34.430	*****	75	18.37	34.430	*****	24.76	319	321	.2419
100	17.09	34.360	*****	100	17.09	34.360	*****	25.02	294	297	.3193

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-12 , 33-51.7. N, 128-39.0. E, DEC. 8.1981, 23.30 KST, DEPTH 100 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 9.4, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	18.59	34.450	*****							0	18.59	34.450	*****	24.72	323	322	.0000
10	18.73	34.440	*****							10	18.73	34.440	*****	24.68	327	327	.0325
20	18.75	34.430	*****							20	18.75	34.430	*****	24.67	328	328	.0653
30	18.76	34.430	*****							30	18.76	34.430	*****	24.67	328	329	.0982
50	18.79	34.440	*****							50	18.79	34.440	*****	24.67	328	330	.1642
75	18.82	34.440	*****							75	18.82	34.440	*****	24.66	329	331	.2469
95	17.64	34.600	*****														

KOREA ,TAE BAEK SAN , STATION 400-13 , 34-04.6. N, 128-30.0. E, DEC. 8.1981, 19.10 KST, DEPTH 83 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 9.3, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	15.27	34.200	*****							0	15.27	34.200	*****	25.32	266	266	.0000
10	15.30	34.220	*****							10	15.30	34.220	*****	25.32	266	266	.0266
20	15.39	34.210	*****							20	15.39	34.210	*****	25.30	268	269	.0534
30	15.30	34.220	*****							30	15.30	34.220	*****	25.32	266	266	.0802
50	14.80	34.120	*****							50	14.80	34.120	*****	25.36	263	264	.1333
75	13.75	33.950	*****							75	13.75	33.950	*****	25.45	254	256	.1983

KOREA ,TAE BAEK SAN , STATION 400-14 , 34-13.5. N, 128-24.0. E, DEC. 8.1981, 18.00 KST, DEPTH 75 , COLOR , TRANS. , ,

WAVE , SWELL , WIND , BARO 1019. , AIR TEMP. DRY 9.4, WET , , CLOUD. TYPE , AMT , WEATHER ,

0	13.84	34.000	*****							0	13.84	34.000	*****	25.47	252	252	.0000
10	13.97	33.990	*****							10	13.97	33.990	*****	25.43	255	255	.0254
20	13.90	33.990	*****							20	13.90	33.990	*****	25.45	254	254	.0509

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
30	13.92	34.010	*****							30	13.92	34.010	*****	25.46	253	253	.0765
50	13.94	33.910	*****							50	13.94	33.910	*****	25.38	261	262	.1279
70	13.98	34.000	*****														

KOREA ,TAE BAEK SAN , STATION 400-15 , 34-22.2. N, 128-18.4. E, DEC. 8.1981, 16.50 KST, DEPTH 65 , COLOR 4, TRANS. 8.0,
WAVE SW 2, SWELL SW 1, WIND S 3, BARO 1019. , AIR TEMP. DRY 9.8, WET . , CLOUD. TYPE AS, AMT 3, WEATHER BC,

0	14.95	34.080	*****							0	14.95	34.080	*****	25.29	269	268	.0000
10	14.96	34.130	*****							10	14.96	34.130	*****	25.33	265	265	.0267
20	15.00	34.090	*****							20	15.00	34.090	*****	25.29	269	269	.0535
30	14.98	34.090	*****							30	14.98	34.090	*****	25.29	268	269	.0804
50	14.29	33.990	*****							50	14.29	33.990	*****	25.37	262	263	.1337
60	13.66	33.950	*****														

KOREA ,TAE BAEK SAN , STATION 400-16 , 34-31.0. N, 128-12.2. E, DEC. 8.1981, 14.00 KST, DEPTH 44 , COLOR 6, TRANS. 8.0,
WAVE NW 2, SWELL NW 1, WIND W 2, BARO 1019. , AIR TEMP. DRY 9.4, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	13.37	33.960	*****							0	13.37	33.960	*****	25.53	246	245	.0000
10	13.45	33.970	*****							10	13.45	33.970	*****	25.52	247	247	.0246
20	13.51	33.940	*****							20	13.51	33.940	*****	25.49	250	250	.0495
30	13.50	33.940	*****							30	13.50	33.940	*****	25.49	250	250	.0746
40	13.55	33.980	*****														

KOREA ,TAE BAEK SAN , STATION 400-17 , 34-27.0. N, 128-00.5. E, DEC. 8.1981, 15.00 KST, DEPTH 40 , COLOR 6, TRANS. 8.0,
WAVE NW 2, SWELL NW 1, WIND W 2, BARO 1019. , AIR TEMP. DRY 9.6, WET . , CLOUD. TYPE , AMT , WEATHER B ,

0	12.51	******	*****							0	12.51	******	*****	*****	***	***	.0000

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
10	12.66	33.800	*****							10	12.66	33.800	*****	25.55	244	244	******
20	12.69	33.790	*****							20	12.69	33.790	*****	25.54	245	246	******
30	12.69	33.790	*****							30	12.69	33.790	*****	25.54	245	246	******

KOREA ,TAE BAEK SAN , STATION 400-22 , 33-44.3. N, 128-23.9. E, DEC. 9.1981, 01.30 KST, DEPTH 102 , COLOR , TRANS. . .

WAVE , SWELL , WIND , BARO 1020. , AIR TEMP. DRY 9.3, WET . , CLOUD. TYPE , AMT , WEATHER ,

0	15.32	34.380	*****							0	15.32	34.380	*****	25.44	254	254	.0000
10	16.44	34.360	*****							10	16.44	34.360	*****	25.17	280	280	.0267
20	16.64	34.370	*****							20	16.64	34.370	*****	25.13	284	284	.0550
30	16.85	34.570	*****							30	16.85	34.570	*****	25.24	274	274	.0830
50	16.59	34.560	*****							50	16.59	34.560	*****	25.29	269	270	.1375
75	15.47	34.520	*****							75	15.47	34.520	*****	25.52	247	249	.2025
100	15.54	34.520	*****							100	15.54	34.520	*****	25.50	249	251	.2652

KOREA ,TAE BAEK SAN , STATION 400-24 , 33-35.6. N, 127-51.9. E, DEC.11.1981, 17.35 KST, DEPTH 103 , COLOR , TRANS. . .

WAVE NW 2, SWELL NW 2, WIND NW 6, BARO 1018. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE CU, AMT 9, WEATHER C ,

0	18.40	34.410	*****							0	18.40	34.410	*****	24.74	321	321	.0000
10	18.64	34.410	*****							10	18.64	34.410	*****	24.68	327	327	.0324
20	18.71	34.400	*****							20	18.71	34.400	*****	24.66	329	330	.0653
30	18.75	34.410	*****							30	18.75	34.410	*****	24.65	329	330	.0983
50	18.70	34.410	*****							50	18.70	34.410	*****	24.67	328	330	.1644
75	18.80	34.410	*****							75	18.80	34.410	*****	24.64	331	333	.2473
100	18.73	34.430	*****							100	18.73	34.430	*****	24.67	328	330	.3303

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY

KOREA ,TAE BAEK SAN , STATION 400-25 , 33-33.6. N, 127-34.0. E, DEC.11.1981, 15.55 KST, DEPTH 108 , COLOR 3, TRANS. 14.0,

WAVE NW 2, SWELL NW 2, WIND NW 6, BARO 1019. , AIR TEMP. DRY 11.6, WET . , CLOUD. TYPE CU, AMT 9, WEATHER C ,

0	18.17	34.330	*****	24.74	322	321	.0000
10	18.19	34.320	*****	24.72	323	323	.0322
20	18.20	34.370	*****	24.76	319	320	.0644
30	18.25	34.320	*****	24.71	324	325	.0967
50	18.24	34.320	*****	24.71	324	325	.1618
75	18.26	34.310	*****	24.70	325	327	.2434
100	18.20	34.320	*****	24.72	323	326	.3251

KOREA ,TAE BAEK SAN , STATION 400-26 , 33-31.7. N, 127-11.8. E, DEC.11.1981, 14.15 KST, DEPTH 102 , COLOR 4, TRANS. 13.0,

WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1020. , AIR TEMP. DRY 11.2, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,

0	18.05	34.360	*****	24.79	317	316	.0000
10	18.40	34.360	*****	24.70	325	325	.0321
20	18.47	34.360	*****	24.69	326	327	.0647
30	18.54	34.380	*****	24.68	327	327	.0975
50	18.52	34.380	*****	24.69	326	327	.1630
75	18.51	34.360	*****	24.68	327	329	.2453
100	18.58	34.370	*****	24.67	328	331	.3280

OBSERVED										INTERPOLATED				CALCULATED			
DEPTH	TEMP	SAL	02	P	TOTAL-P	NO2-N	NO3-N	SI	PH	DEPTH	TEMP	SAL	02	SIGMA-T	D-T	SVA	D-DY
KOREA ,TAE EAEK SAN , STATION 400-27 , 35-30.3. N, 127-04.5. E, DEC.11.1981, 12.30 KST, DEPTH 120 , COLOR 5, TRANS. 10.0,																	
WAVE SW 2, SWELL SW 2, WIND SW 5, BARO 1020. , AIR TEMP. DRY 11.4, WET . , CLOUD. TYPE CI, AMT 7, WEATHER BC,																	
0	17.60	34.280	*****							0	17.80	34.280	*****	24.79	317	316	.0000
10	17.69	34.250	*****							10	17.69	34.250	*****	24.79	316	316	.0317
20	17.82	34.240	*****							20	17.82	34.240	*****	24.75	320	320	.0635
30	17.85	34.250	*****							30	17.85	34.250	*****	24.75	320	320	.0956
50	17.89	34.250	*****							50	17.89	34.250	*****	24.74	321	322	.1600
75	17.90	34.260	*****							75	17.90	34.260	*****	24.75	320	322	.2405
100	17.65	34.310	*****							100	17.65	34.310	*****	24.85	311	314	.3202
115	17.58	34.220	*****														

제 4 편

부 유 생 물 조 사 성 적

PART 4

PLANKTON DATA

1 9 8 1

동 해 부 유 생 물 조 사 성 적

PLANKTON DATA: EASTERN WATERS

1 9 8 1

106선 부유생물 조사표
Plankton Data, Line 106

Month	Feb.					Apr.				
Station	03	05	07	09	11	03	05	07	09	11
Date	5	5	5	6		7	7	7	8	8
Time	09:20	13:50	19:40	01:30		12:10	17:00	23:10	15:10	11:20
Col. depth (*m*)	100	100	100	100		100	100	100	100	100
Volume (cc)	0.7	0.6	1.8	1.0		1.1	2.0	4.5	2.0	0.5
Biomass(mg/m^3)	9.43	12.58	18.87	12.58		12.58	74.47	74.47	31.45	6.29
Copepoda	25	60	11	203		80	60	140	130	15
Chaetognatha	3	3	4	0		0	4	13	11	1
Amphipoda	4	0	10	2		13	17	15	22	15
Euphausia	2	0	12	1		0	0	3	1	3

Month	Jun.					Aug.				
Station	03	05	07	09	11	03	05	07	09	11
Date	8	8	8	9	9	6	10	10	10	11
Time	11:10	15:50	21:40	03:30	09:10	13:00	08:30	14:40	20:30	02:40
Col. depth (*m*)	100	100	100	100	100	100	100	100	100	100
Volume (cc)	1.8	1.2	1.5	0.1	0.1	3.2	6.0	1.0	0.4	5.0
Biomass(mg/m^3)	15.72	12.58	15.72	3.14	3.14	25.16	72.33	6.29	3.14	56.60
Copepoda	1200	1200	800	20	20	1400	260	50	28	980
Chaetognatha	30	26	2	3	1	30	140	5	3	107
Amphipoda	6	1	20	2	1	6	98	3	0	52
Euphausia	21	4	37	5	3	68	31	6	1	25

Month	Oct.					Dec.				
Station	03	05	07	09	11	03	05	07	09	11
Date	7	7	7	8	8	19	19	21	22	22
Time	12:30	16:40	22:10	03:50	09:20	08:40	13:10	19:20	01:00	06:30
Col. depth (*m*)	100	100	100	100	100	100	100	100	100	100
Volume (cc)	0.2	0.2	2.0	1.2	1.1	4.0	1.0	0.9	8.0	2.5
Biomass(mg/m^3)	3.14	3.14	18.87	15.72	12.58	56.60	12.58	9.43	125.79	18.87
Copepoda	15	45	470	450	450	6000	1200	1500	5600	2100
Chaetognatha	0	0	57	36	23	10	8	0	7	5
Amphipoda	0	1	26	12	17	20	4	2	8	5
Euphausia	0	0	5	4	4	26	1	5	48	3

105선 부유생물 조사표
Plankton Data, Line 105

Month	Feb.					Apr.				
Station	03	05	07	09	11	03	05	07	09	11
Date	22	22	22	22	21	9	9	9	8	8
Time	14:30	12:10	06:20	00:30	18:20	12:00	09:10	03:10	21:50	15:10
Col. depth (*m*)	48	100	100	100	100	48	100	100	100	100
Volume (cc)	0.5	0.9	0.5	0.3	0.9	0.6	5.5	6.5	0.9	1.0
Biomass (mg/m^3)	6.55	11.32	5.66	5.03	9.43	26.01	88.05	94.34	12.58	12.58
Copepoda	12	133	44	13	153	157	350	370	17	58
Chaetognatha	0	5	0	5	4	1	13	15	1	1
Amphipoda	8	2	9	13	2	4	8	20	70	4
Euphausia	0	2	1	0	0	0	2	4	2	0

Month	Jun.					Aug.				
Station	03	05	07	09	11	03	05	07	09	11
Date	10	10	10	9	9	10	9	9	9	9
Time	09:20	06:50	01:10	19:10	13:00	01:50	23:10	17:10	11:10	05:00
Col. depth (*m*)	48	100	100	100	100	48	100	100	100	100
Volume (cc)	9.0	14.0	8.0	0.1	2.5	1.2	2.1	0.4	5.0	1.1
Biomass (mg/m^3)	196.59	182.39	84.91	3.14	34.59	39.32	15.72	9.43	50.31	6.29
Copepoda	4000	5000	3000	30	1400	160	170	600	1700	600
Chaetognatha	235	184	50	2	11	37	47	6	54	2
Amphipoda	8	21	18	4	69	816	38	5	27	6
Euphausia	8	131	214	12	10	91	8	5	15	5

Month	Oct.					Dec.				
Station	03	05	07	09	11	03	05	07	09	11
Date	9	9	8	8	8	18	17	17	17	11
Time	07:20	05:00	23:40	18:10	12:40	00:20	21:50	16:00	10:10	01:50
Col. depth (*m*)	48	100	100	100	100	48	100	100	100	100
Volume (cc)	1.0	0.3	1.0	2.0	1.1	4.0	2.0	2.0	3.0	3.0
Biomass (mg/m^3)	13.11	3.14	7.55	9.43	6.29	117.96	18.87	12.58	31.45	18.87
Copepoda	65	85	39	430	250	5200	2000	2800	4600	4300
Chaetognatha	0	4	42	21	7	11	5	1	0	10
Amphipoda	0	14	0	12	36	5	20	0	1	7
Euphausia	0	3	1	5	2	25	3	3	5	16

104선 부유생물 조사표
Plankton Data, Line 104

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	15	15	16	16	11	11	11	12
Time	17:40	22:20	04:10	10:00	11:00	16:00	22:00	04:00
Col. depth (m)	100	100	100	100	100	100	100	100
Volume(cc)	1.0	1.0	2.0	1.0	0.8	0.4	1.2	1.0
Biomass(mg/m^3)	12.58	6.29	18.87	12.58	6.29	6.29	12.58	12.58
Copepoda	118	20	205	154	52	30	182	135
Chaetognatha	4	1	9	6	1	0	6	6
Amphipoda	5	11	22	9	9	1	6	5
Euphausia	0	0	0	0	0	1	0	1

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	13	13			8	8	8	8
Time	07:40	12:30			07:00	11:40	17:40	00:08
Col. depth (m)	100	100			100	100	100	100
Volume (cc)	4.5	2.0			3.5	2.5	6.9	1.4
Biomass(mg/m^3)	28.30	9.43			37.74	18.87	44.03	15.72
Copepoda	2000	1300			1600	1100	2800	20
Chaetognatha	95	14			37	17	49	4
Amphipoda	1	6			11	4	15	1
Euphausia	17	9			220	50	48	1

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	12	12	12	11	9	9	10	10
Time	11:30	07:30	02:10	20:40	07:00	10:40	14:20	21:10
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	2.5	1.8	2.4	0.5	2.8	0.3	1.5	2.5
Biomass(mg/m^3)	25.16	9.43	12.58	6.29	25.16	3.14	12.58	18.87
Copepoda	700	560	250	41	5200	700	3000	2800
Chaetognatha	26	18	11	2	25	6	5	10
Amphipoda	38	36	47	0	0	0	0	4
Euphausia	3	0	4	0	6	1	0	10

103선 부유생물 조사표
Plankton Data, Line 103

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	16	16	16	16	12	12	11	11
Time	13:20	16:05	19:50	23:30	07:05	04:00	23:50	19:50
Col. depth (*m*)	100	100	100	100	100	100	100	100
Volume(cc)	6.0	1.5	0.8	0.2	6.5	16.5	3.2	5.0
Biomass(mg/m^3)	98.11	31.45	18.24	15.72	151.57	387.42	71.07	161.01
Copepoda	6811	3420	480	320	2350	1691	960	2340
Chaetognatha	0	3	2	0	2	23	2	9
Amphipoda	46	26	3	1	23	42	13	12
Euphausia	0	1	98	5	11	3	0	1

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	8	8	8	8	6	6	6	6
Time	12:30	15:30	19:35	23:40	12:05	15:05	19:10	23:15
Col. depth (*m*)	100	100	100	100	100	100	100	100
Volume (cc)	1.8	6.0	3.8	0.8	1.2	3.5	4.0	10.0
Biomass(mg/m^3)	23.27	99.37	69.18	18.87	17.61	69.18	53.46	174.20
Copepoda	575	1340	650	350	840	608	850	2500
Chaetognatha	31	34	34	14	8	55	11	107
Amphipoda	7	225	64	4	0	46	17	61
Euphausia	5	340	61	16	8	81	25	117

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	13	13	13	17	17	17	17	17
Time	11:20	15:20	20:30	02:40	11:25	14:05	17:50	21:35
Col. depth (*m*)	100	100	100	100	100	100	100	100
Volume (cc)	3.8	7.5	3.0	2.8	0.5	0.01	0.09	0.5
Biomass(mg/m^3)	69.18	104.40	53.46	39.62	15.09	2.52	5.79	11.45
Copepoda	670	1200	1250	850	18	10	41	12
Chaetognatha	129	96	22	14	2	0	2	5
Amphipoda	19	23	5	164	0	0	0	1
Euphausia	11	16	24	0	0	0	0	0

102선 부유생물 조사표
Plankton Data, Line 102

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	18	18	18	18	8	8	11	11
Time	11:30	13:40	17:25	21:10	01:30	04:00	12:40	16:45
Col. depth (m)	100	100	100	100	100	100	100	100
Volume(cc)	1.5	0.3	0.3	7.0	4.8	2.0	9.0	16.5
Biomass(mg/m^3)	28.30	11.32	23.27	173.58	86.16	44.03	235.85	339.62
Copepoda	624	260	340	916	2500	1050	495	250
Chaetognatha	0	1	0	5	7	5	5	9
Amphipoda	11	1	2	14	4	2	40	5
Euphausia	7	18	5	21	28	5	2	3

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	9	9	9	9	7	7	7	7
Time	13:35	11:00	06:55	02:50	13:05	10:30	06:25	02:20
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (cc)	0.3	1.5	9.0	8.2	1.8	1.5	2.0	6.2
Biomass(mg/m^3)	13.21	35.85	139.62	147.80	22.01	22.01	34.59	108.18
Copepoda	164	180	3000	950	1150	930	950	3500
Chaetognatha	9	47	17	13	10	18	5	64
Amphipoda	11	27	18	14	19	42	7	34
Euphausia	14	40	56	53	10	2	12	48

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date		16	16		18	18	18	18
Time		11:40	17:10		10:15	08:00	04.15	00:30
Col. depth (m)		100	100		100	100	100	100
Volume (cc)		10.0	5.0		0.2	2.0	0.1	0.9
Biomass(mg/m^3)		100.00	255.97		11.32	30.19	5.03	11.47
Copepoda		850	430		5	19	0	25
Chaetognatha		54	24		0	8	2	2
Amphipoda		23	6		0	0	0	2
Euphausia		17	15		0	1	1	3

209선 부유생물 조사표
Plankton Data, Line 209

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	19	19	19	19	7	7	7	7
Time	12:15	10:10	06:30	02:50	21:30	18:30	14:30	10:30
Col. depth (m)	100	100	100	100	100	100	100	100
Volume(cc)	3.5	2.5	0.3	4.0	1.9	0.5	0.5	1.0
Biomass(mg/m³)	49.69	57.23	15.72	83.02	45.91	15.09	25.16	29.56
Copepoda	920	2700	246	3420	247	120	57	500
Chaetognatha	10	8	4	0	7	2	3	9
Amphipoda	11	37	3	48	2	0	3	3
Euphausia	280	155	24	5	106	2	6	3

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	11	11	11	11	8	8	8	8
Time	09:15	12:15	16:15	20:15	12:40	15:30	19:30	23:30
Col. depth (m)	100	100	100	100	100	100	100	100
Volume(cc)	3.2	4.3	1.5	0.9	2.8	1.2	2.8	6.5
Biomass(mg/m³)	42.77	30.82	23.27	20.13	42.14	19.50	70.44	109.43
Copepoda	800	125	450	450	720	560	900	850
Chaetognatha	1	0	4	6	37	7	52	109
Amphipoda	28	6	0	2	57	2	28	2
Euphausia	74	18	14	9	33	10	36	10

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	11	11	11	11	18	18	18	18
Time	07:55	10:35	14:20	18:10	13:45	16:25	20:05	23:45
Col. depth (m)	100	100	100	100	100	100	100	100
Volume(cc)					0.3	0.3	0.01	0.01
Biomass(mg/m³)					8.81	13.21	6.61	2.52
Copepoda	640	650	450	950	3	9	2	2
Chaetognatha	35	54	78	82	2	9	0	0
Amphipoda	5	26	12	18	0	0	1	1
Euphausia	7	14	5	25	0	1	0	0

208선 부유생물 조사표
Plankton Data, Line 208

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	19	19	19	19	20	6	6	7	7	7
Time	15:55	18:10	20:50	23:30	02:10	18:30	21:05	00:05	03:05	06:05
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume(cc)	1.0	1.0	6.0	0.5	1.0	4.0	5.0	4.0	2.2	10.0
Biomass(mg/m^3)	36.84	40.88	62.89	18.87	16.98	77.27	47.17	66.04	32.08	64.15
Copepoda	1800	620	1686	480	540	1928	346	800	239	423
Chaetognatha	1	0	6	0	3	17	0	8	2	6
Amphipoda	3	0	0	0	0	3	3	0	0	3
Euphausia	37	15	5864	94	22	13	9	45	38	7

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	12	12	12	12	12	9	9	9	9	9
Time	12:10	09:30	06:30	03:35	00:40	15:40	13:00	10:00	07:00	04:00
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (cc)	0.1	5.2	3.0	3.0	10.0	1.5	3.0	3.8	1.5	2.0
Biomass(mg/m^3)	4.49	56.60	45.28	36.48	162.89	38.63	12.58	69.18	20.13	37.74
Copepoda	45	1500	750	680	1000	1500	682	1500	150	365
Chaetognatha	4	46	16	17	54	18	20	44	16	22
Amphipoda	0	0	8	5	0	0	30	6	3	0
Euphausia	16	27	35	7	51	2	22	33	0	9

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	12	12	12	12	11	19	19	19	19	19
Time	08:30	06:25	03:30	00:55	20:00	14:10	11:50	09:10	06:35	04:00
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (cc)						0.1	1.0	0.7	1.0	0.5
Biomass(mg/m^3)						16.98	12.14	20.13	27.04	24.26
Copepoda	740	0	180	420	1500	56	12	35	42	25
Chaetognatha	72	49	7	14	140	1	3	4	8	5
Amphipoda	31	27	16	3	24	1	0	0	0	0
Euphausia	18	30	12	33	40	6	0	1	1	0

남 해 부 유 생 물 조 사 실 적

PLANKTON DATA: SOUTHERN WATERS

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207선 부유생물 조사표
Plankton Data, Line 207

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	12	12	12	6	6	6
Time	15:30	17:04	19:55	14:40	16:10	17:40
Col. depth (m)	84	115	160	84	115	160
Volume(cc)	0.4	1.3	2.5	1.7	1.4	1.2
Biomass(mg/m^3)	2.25	5.47	21.23	44.94	19.69	13.76
Copepoda	320	662	1200	500	1050	1400
Chaetognatha	2	2	12	0	4	3
Amphipoda	0	0	0	0	0	0
Euphausia	0	5	50	7	19	56

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	19	18	18	21	21	21
Time	01:40	23:50	22:10	16:10	15:00	13:30
Col. depth (m)	84	85	160	84	115	160
Volume (cc)	27.0	4.4	2.0	6.4	12.0	7.7
Biomass(mg/m^3)	352.01	54.77	13.37	79.40	108.31	63.31
Copepoda	140	1050	450	650	700	450
Chaetognatha	18	13	8	65	86	198
Amphipoda	4	2	6	15	27	30
Euphausia	14	16	12	6	0	3

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	12	12	12	7	7	7
Time	11:50	13:25	14:55	14:25	15:45	17:45
Col. depth (m)	84	115	160	90	105	160
Volume (cc)	10.2	10.0	15.0	8.2	12.3	8.4
Biomass(mg/m^3)	168.53	153.72	132.91	80.19	101.26	55.05
Copepoda	1200	750	1400	1300	1050	650
Chaetognatha	78	41	58	64	79	61
Amphipoda	21	19	8	2	25	57
Euphausia	24	18	9	17	57	35

206선 부유생물 조사표
Plankton Data, Line 206

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	13	13	13	7	7	6
Time	04:00	01:30	23:15	04:10	01:50	11:10
Col. depth (m)	62	94	130	60	94	130
Volume(cc)	4.0	0.4	0.4	3.3	5.2	3.3
Biomass(mg/m³)	59.84	1.34	0.97	132.08	109.77	58.06
Copepoda	150	86	274	700	800	2600
Chaetognatha	15	2	2	7	8	15
Amphipoda	0	0	0	0	1	2
Euphausia	33	1	5	21	48	121

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	18	18	18	21	21	21
Time	12:40	15:20	17:50	04:50	07:00	09:20
Col. depth (m)	62	94	130	62	94	130
Volume (cc)	6.0	9.0	2.7	7.3	6.4	10.9
Biomass(mg/m³)	44.62	78.31	15.48	117.65	59.57	93.85
Copepoda	400	460	490	500	450	450
Chaetognatha	22	42	3	57	0	114
Amphipoda	13	8	9	28	21	22
Euphausia	25	17	12	72	19	26

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	13	12	12	8	8	8
Time	00:50	22:50	19:40	06:30	04:00	00:30
Col. depth (m)	63	94	130	63	90	130
Volume (cc)	8.9	18.9	4.9	7.3	4.3	15.0
Biomass(mg/m³)	159.84	127.18	56.78	115.88	35.64	114.66
Copepoda	1600	1400	850	850	450	1800
Chaetognatha	37	145	54	42	24	74
Amphipoda	14	38	12	11	8	41
Euphausia	17	45	5	16	18	29

205선 부유생물 조사표
Plankton Data, Line 205

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	14	13	13	8	7	7
Time	00:20	22:55	18:45	01:10	10:00	20:10
Col. depth (m)	54	86	116	50	86	115
Volume(cc)	0.6	1.0	1.2	1.8	0.8	1.6
Biomass(mg/m³)	2.30	10.97	14.64	30.19	3.66	26.26
Copepoda	324	245	324	1020	246	980
Chaetognatha	2	15	4	5	0	1
Amphipoda	0	0	0	0	0	2
Euphausia	3	10	7	26	105	140

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	17	17	17	20	20	20
Time	14:30	17:00	20:40	08:55	11:00	14:20
Col. depth (m)	54	86	116	54	86	116
Volume (cc)	5.0	2.0	7.0	6.7	5.6	8.1
Biomass(mg/m³)	34.97	30.35	48.26	95.57	70.96	65.62
Copepoda	870	1030	-	850	350	835
Chaetognatha	10	17	-	57	4	168
Amphipoda	10	11	-	6	15	4
Euphausia	7	85	-	0	0	0

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	13	13	13	9	9	9
Time	22:25	18:05	14:30	11:40	08:20	06:10
Col. depth (m)	54	86	116	58	60	113
Volume (cc)	2.3	7.6	8.1	5.4	4.0	14.4
Biomass(mg/m³)	47.78	151.43	101.95	124.73	49.27	149.22
Copepoda	450	2500	680	1040	800	1000
Chaetognatha	19	54	43	65	24	42
Amphipoda	5	7	13	4	0	14
Euphausia	0	0	19	41	30	22

204선 부유생물 조사표
Plankton Data, Line 204

Month	Feb.			Apr.		
Station	02	04	06	02	04	06
Date	4		16	8	11	11
Time	12:00		11:40	04:10	08:00	10:40
Col. depth (m)	28		128	28	75	110
Volume(cc)	0.5		0.2	3.3	1.5	1.6
Biomass(mg/m³)	24.72		3.44	128.08	28.52	25.73
Copepoda	284		184	350	640	1450
Chaetognatha	5		4	3	0	0
Amphipoda	0		0	0	0	1
Euphausia	8		4	0	360	216

Month	Jun.			Aug.		
Station	02	04	06	02	04	06
Date	17	17	17	19	19	19
Time	12:30	09:00	06:20	07:10	04:10	01:50
Col. depth (m)	28	70	128	28	75	120
Volume (cc)	7.0	3.0	16.0	3.2	3.0	15.0
Biomass(mg/m³)	343.82	38.63	60.93	96.63	43.62	149.37
Copepoda	1120	640	1300	640	480	1040
Chaetognatha	102	30	131	25	33	185
Amphipoda	42	11	52	5	10	16
Euphausia	22	21	30	5	2	5

Month	Oct.			Dec.		
Station	02	04	06	02	04	06
Date	14	15	15	9	11	11
Time	00:25	10:10	12:45	13:50	09:20	11:50
Col. depth (m)	28	75	128	28	75	128
Volume (cc)	5.3	5.9	5.8	3.0	0.8	8.1
Biomass(mg/m³)	262.92	98.15	46.19	96.63	0.84	38.82
Copepoda	120	1100	860	780	270	540
Chaetognatha	34	64	59	25	13	47
Amphipoda	21	2	10	6	0	7
Euphausia	0	0	6	32	24	21

203선 부유생물 조사표

Plankton Data, Line 203

Month	Feb.		Apr.	
Station	01	03	01	03
Date	27	27	14	14
Time	06:00	15:40	11:10	07:40
Col. depth (m)	57	135	55	135
Volume(cc)	0.3	0.3	2.3	1.0
Biomass(mg/m³)	9.93	7.92	100.69	6.06
Copepoda	377	324	3500	450
Chaetognatha	5	3	0	0
Amphipoda	0	0	0	0
Euphausia	3	1	1301	90

Month	Jun.		Aug.	
Station	01	03	01	03
Date	9	9	12	12
Time	11:10	08:35	09:50	07:30
Col. depth (m)	55	135	57	135
Volume (cc)	0.5	1.4	6.7	18.0
Biomass(mg/m³)	1.14	13.05	130.24	153.77
Copepoda	180	750	940	430
Chaetognatha	4	10	510	34
Amphipoda	2	92	44	61
Euphausia	16	73	37	3

Month	Oct.		Dec.	
Station	01	03	01	03
Date	25	17	18	18
Time	23:25	09:05	11:50	09:30
Col. depth (m)	57	135	57	128
Volume (cc)	2.7	3.2	3.2	10.0
Biomass(mg/m³)	36.42	23.29	24.28	93.37
Copepoda	120	750	750	1200
Chaetognatha	35	36	52	64
Amphipoda	1	8	0	28
Euphausia	6	12	9	186

313선 부유생물 조사표
Plankton Data, Line 313

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	23	23	22	22	13	13	12	12
Time	04:30	02:05	23:35	21:25	03:10	00:40	22:10	19:40
Col. depth (m)	92	84	72	70	90	84	73	70
Volume(cc)	0.3	0.2	1.1	0.2	0.9	1.1	3.5	5.3
Biomass(mg/m^3)	6.84	0.75	17.47	7.19	11.18	8.99	70.69	114.11
Copepoda	196	142	466	124	320	1680	1400	1800
Chaetognatha	4	5	17	3	0	3	3	8
Amphipoda	0	0	0	0	0	1	0	0
Euphausia	3	0	1	2	17	74	195	272

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	13	13	13	13	14	17	17	17
Time	10:30	13:10	15:30	18:00	10:30	14:00	16:20	18:40
Col. depth (m)	90	84	72	70	92	84	72	70
Volume (cc)	4.0	3.0	6.0	5.7	5.2	3.3	8.2	4.9
Biomass(mg/m^3)	34.24	44.94	93.45	131.18	144.46	59.18	158.95	66.49
Copepoda	1350	1100	1300	750	530	350	830	470
Chaetognatha	12	9	20	42	49	34	170	33
Amphipoda	109	95	89	108	59	24	51	42
Euphausia	27	15	30	126	1	3	0	3

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	17	17	17	16	16	16	16	12
Time	05:20	02:50	00:20	21:50	15:40	18:00	20:30	20:30
Col. depth (m)	92	84	72	70	92	84	72	70
Volume (cc)	10.4	6.7	12.8	17.2	6.3	6.0	2.6	3.0
Biomass(mg/m^3)	114.23	77.90	243.67	344.12	134.75	17.23	1.75	14.37
Copepoda	1600	1200	1050	700	680	370	45	250
Chaetognatha	142	27	46	38	65	24	8	17
Amphipoda	19	54	19	43	4	6	0	2
Euphausia	45	4	33	9	35	10	8	12

314선 부유생물 조사표
Plankton Data, Line 314

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	19	19	19	22	22	11	12	12	12	12
Time	18:30	11:45	15:20	11:10	14:22	22:40	02:10	05:40	09:10	12:40
Col. depth (m)	140	110	100	90	80	140	110	100	90	80
Volume(cc)	0.9	3.0	3.0	1.8	2.0	6.8	8.6	10.0	3.5	3.6
Biomass(mg/m^3)	7.64	29.16	77.99	51.72	32.23	68.31	108.06	115.72	59.40	58.96
Copepoda	186	116	244	384	364	860	1400	2800	60	2500
Chaetognatha	6	3	2	27	23	19	27	35	0	10
Amphipoda	1	0	0	0	0	1	2	3	0	2
Euphausia	25	4	14	28	4	52	93	79	6	342

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	16	16	15	14	14	18	18	18	18	18
Time	18:20	14:50	09:45	03:40	01:10	14:50	11:30	08:10	05:00	01:30
Col. depth (m)	138	110	100	90	80	138	110	100	90	80
Volume (cc)	15.0	3.0	5.0	17.0	10.0	6.2	9.0	2.1	4.5	7.3
Biomass(mg/m^3)	118.50	12.01	54.01	213.84	176.89	43.75	81.19	14.46	54.51	114.78
Copepoda	760	45	840	1200	1250	840	420	700	450	950
Chaetognatha	56	1	81	20	15	148	98	35	102	66
Amphipoda	7	4	34	36	38	202	52	15	34	38
Euphausia	8	0	14	213	114	1	3	1	16	53

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	16	16	16	16	16	11	12	12	12	12
Time	00:30	04:10	07:40	11:10	14:40	23:30	03:30	06:30	10:00	13:20
Col. depth (m)	140	110	100	90	80	140	107	100	90	80
Volume (cc)	5.0	4.9	6.7	3.1	9.0	18.8	0.2	17.5	23.0	7.0
Biomass(mg/m^3)	40.00	31.45	130.82	32.84	127.36	139.77	34.10	193.08	286.02	136.01
Copepoda	490	450	850	430	1250	1600	20	1800	1200	950
Chaetognatha	62	11	43	26	47	82	2	150	490	75
Amphipoda	47	25	16	3	14	45	0	65	48	7
Euphausia	25	11	12	0	25	54	0	245	350	32

400선 부유생물 조사표

Plankton Data, Line 400

Month	Feb.					Apr.					
Station	12	14	16	25	27	12	13	14	16	25	27
Date	13	13	13	19	18	7	7	17	7	11	11
Time	15:20	10:00	06:15	06:35	22:00	16:30	12:20	12:00	06:20	15:25	11:55
Col. depth (m)	104	84	43	100	115	105	90	75	43	104	120
Volume(cc)	2.1	2.6	4.0	0.4	0.7	3.7	6.2	1.2	2.0	2.1	2.1
Biomass(mg/m^3)	23.59	37.45	111.11	15.72	3.83	55.72	88.05	18.46	118.40	26.62	19.92
Copepoda	592	898	240	460	318	1400	2400	400	940	450	1620
Chaetognatha	11	10	28	9	7	10	3	1	1	0	30
Amphipoda	1	0	0	1	0	0	0	2	2	0	2
Euphausia	18	19	28	9	7	161	860	12	2	10	0

Month	Jun.					Aug.				
Station	12	14	16	25	27	12	14	16	25	27
Date	18	18	18	17	17	20	20	21	18	19
Time	00:20	06:00	10:20	01:35	01:20	17:40	22:40	02:40	21:50	01:10
Col. depth (m)	100	80	45	110	130	100	80	44	100	130
Volume (cc)	5.0	4.0	3.0	2.0	1.5	5.2	6.3	7.2	5.1	7.8
Biomass(mg/m^3)	45.91	23.58	61.54	24.58	8.71	43.40	71.54	110.31	43.40	16.45
Copepoda	480	450	1600	120	24	500	380	600	760	113
Chaetognatha	15	33	7	3	4	75	120	42	63	23
Amphipoda	18	12	12	1	1	5	15	21	5	3
Euphausia	17	19	74	7	1	1	4	12	0	0

Month	Oct.					Dec.				
Station	12	14	16	25	27	12	14	16	25	27
Date	13	13	13	15	15	8	8	8	11	11
Time	10:55	05:30	03:00	16:55	13:40	23:30	18:00	14:00	15:55	12:30
Col. depth (m)	105	80	42	95	130	100	75	44	108	120
Volume (cc)	2.8	7.9	3.2	5.1	8.4	4.8	10.2	3.2	6.7	11.3
Biomass(mg/m^3)	37.75	96.70	58.38	58.28	46.44	35.85	169.46	57.22	227.14	120.54
Copepoda	550	850	500	650	1500	300	1250	900	1040	-
Chaetognatha	30	125	11	49	53	50	81	0	89	-
Amphipoda	3	15	6	12	3	3	12	0	35	-
Euphausia	10	57	23	3	0	27	45	39	45	-

서 해 부 유 생 물 조 사 성 적

PLANKTON DATA : WESTERN WATERS

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307선 부유생물 조사표
Plankton Data, Line 307

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	14	14	15	15	12	12	12	12
Time	19:05	23:30	03:30	06:35	12:30	16:55	20:20	23:50
Col. depth (m)	30	50	50	60	30	40	50	50
Volume(cc)	2.0	4.0	13.0	5.0	2.5	7.0	4.5	5.5
Biomass(mg/m^3)	39.27	49.31	222.42	71.15	69.66	161.46	99.89	136.42
Copepoda	31	35	131	171	77	420	202	560
Chaetognatha	48	48	302	231	74	182	82	4
Amphipoda	0	0	0	0	0	2	2	22
Euphausia	2	3	75	22	0	2	15	12

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	4	4	4	4	6	6	8	8
Time	10:15	14:35	18:10	21:45	08:25	12:40	13:30	17:00
Col. depth (m)	30	50	50	60	30	40	50	50
Volume (cc)	2.0	1.0	9.0	6.0	0.5	16.0	3.0	2.0
Biomass(mg/m^3)	45.25	26.44	125.08	97.66	13.90	412.28	48.38	29.06
Copepoda	450	450	2500	2000	75	480	400	250
Chaetognatha	8	0	1	1	80	616	450	162
Amphipoda	0	1	1	6	0	3	0	2
Euphausia	1	0	15	10	0	4	5	4

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	11	11	11	11	9	10	10	10
Time	10:20	14:40	18:10	21:40	19:55	00:10	03:40	07:10
Col. depth (m)	30	50	50	60	30	50	50	60
Volume (cc)	1.0	2.0	2.5	3.0	3.0	6.0	4.5	3.0
Biomass(mg/m^3)	10.90	22.95	14.37	21.27	54.10	99.76	106.56	58.25
Copepoda	39	129	163	86	133	254	590	374
Chaetognatha	26	57	120	155	67	235	234	141
Amphipoda	0	0	0	1	0	3	0	2
Euphausia	3	8	15	2	7	52	14	7

308선 부유생물 조사표
Plankton Data, Line 308

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	16	16	15		15	14	14	13	13	13
Time	05:30	02:05	22:35		15:20	10:20	07:00	15:35	12:05	08:25
Col. depth (m)	15	40	40		70	15	40	40	60	70
Volume(cc)	2.5	1.5	1.5		4.0	0.8	5.0	4.5	11.0	4.5
Biomass(mg/m^3)	125.01	11.57	21.79		50.60	71.33	98.38	76.22	239.30	62.64
Copepoda	14	7	29		84	19	450	187	1600	412
Chaetognatha	181	73	71		174	11	118	143	304	92
Amphipoda	0	0	0		0	0	8	6	65	11
Euphausia	3	2	4		74	1	6	3	12	10

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	5	5	5	5	5	9	9	9	9	9
Time	20:15	16:55	13:30	10:00	06:25	15:40	12:15	08:50	05:25	01:50
Col. depth (m)	15	40	40	60	70	20	40	40	60	70
Volume (cc)	0.5	9.0	14.0	20.0	20.0	4.0	7.0	6.0	4.0	5.5
Biomass(mg/m^3)	37.03	194.95	305.10	313.42	257.82	229.93	68.23	147.90	37.34	73.20
Copepoda	124	200	4000	1500	2500	500	240	640	560	480
Chaetognatha	8	73	13	60	236	400	178	430	1250	1100
Amphipoda	0	15	0	14	34	0	0	6	3	5
Euphausia	7	119	41	50	98	0	0	10	2	14

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	12	12	12	12	12	11	11	10	10	10
Time	20:30	17:15	13:50	10:15	06:40	06:00	02:40	23:15	19:40	16:05
Col. depth (m)	15	40	40	60	70	15	40	40	60	70
Volume (cc)	0.8	9.5	8.0	4.8	8.8	0.5	1.0	2.0	6.0	5.0
Biomass(mg/m^3)	33.19	170.37	142.14	40.61	140.36	51.05	24.55	70.84	224.30	67.69
Copepoda	60	793	1020	300	950	35	122	224	470	448
Chaetognatha	10	245	340	315	740	34	34	101	524	376
Amphipoda	0	11	24	5	21	0	0	2	2	0
Euphausia	3	43	15	5	3	4	12	7	14	60

309선 부유생물 조사표
Plankton Data, Line 309

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	18	18			18	14	14	14	15	15
Time	06:35	10:00			20:40	14:15	17:35	21:00	00:30	04:05
Col. depth (m)	20	50			70	20	40	60	60	70
Volume(cc)	1.5	4.0			4.5	4.5	5.5	12.0	17.5	14.5
Biomass(mg/m^3)	64.38	35.05			62.37	202.84	174.75	262.40	284.50	190.68
Copepoda	9	35			340	350	450	856	932	940
Chaetognatha	60	137			174	54	60	78	688	404
Amphipoda	0	0			0	0	0	10	5	25
Euphausia	1	2			48	1	0	48	30	44

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	6	6	6	6	6	9	9	10	10	10
Time	00:05	03:25	06:50	10:25	13:50	19:45	23:05	02:30	06:05	09:40
Col. depth (m)	20	50	60	60	70	20	40	60	60	70
Volume (cc)	1.0	0.5	6.0	2.5	5.0	3.5	4.0	13.0	16.0	26.0
Biomass(mg/m^3)	59.42	2.37	119.71	37.65	64.42	163.09	67.42	178.69	469.66	238.17
Copepoda	1400	184	762	1050	1700	150	80	1500	850	2700
Chaetognatha	74	27	30	7	53	380	350	700	828	650
Amphipoda	0	9	0	0	4	0	0	38	0	4
Euphausia	3	64	26	27	33	0	0	4	228	82

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	13	13	13	13	13	11	16	16	16	16
Time	00:10	03:30	07:00	10:35	14:10	10:00	00:10	03:35	07:10	10:45
Col. depth (m)	20	50	60	60	70	20	50	60	60	70
Volume (cc)	1.0	2.5	5.0	5.0	3.0	3.0	2.5	1.0	5.5	3.0
Biomass(mg/m^3)	39.31	40.68	8.43	106.44	57.07	113.71	40.40	24.93	65.81	60.31
Copepoda	17	120	31	799	303	198	127	125	330	514
Chaetognatha	11	40	41	131	47	107	84	69	207	183
Amphipoda	1	6	1	9	3	0	0	0	0	4
Euphausia	0	3	2	10	0	8	34	164	50	61

310선 부유생물 조사표
Plankton Data, Line 310

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date		19	19	19	15	15	15	15
Time		12:25	08:50	05:05	23:10	19:40	16:05	12:20
Col. depth (m)		60	70	80	20	60	70	80
Volume(cc)		4.0	6.0	5.0	3.0	6.0	3.5	4.0
Biomass(mg/m³)		72.07	52.02	50.25	190.48	94.43	39.54	49.01
Copepoda		74	131	91	420	750	750	320
Chaetognatha		165	155	233	58	30	90	74
Amphipoda		0	0	0	6	2	20	9
Euphausia		67	25	43	8	54	35	6

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	7	7	7	6	11	11	10	10
Time	09:00	05:30	01:55	22:10	04:45	01:10	21:35	17:50
Col. depth (m)	20	60	70	80	20	60	70	80
Volume (cc)	9.0	13.0	13.0	8.0	1.5	1.5	6.0	12.0
Biomass(mg/m³)	717.49	251.29	248.95	106.26	68.51	27.38	64.95	138.74
Copepoda	2200	1800	1300	2700	70	400	450	650
Chaetognatha	28	81	185	8	25	120	220	325
Amphipoda	0	10	7	33	2	4	55	40
Euphausia	25	46	88	64	0	6	3	60

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	14	14	14	13	17	17	16	16
Time	09:10	05:40	02:05	22:20	06:20	02:55	23:10	19:20
Col. depth (m)	20	60	70	80	20	60	70	80
Volume (cc)	10.5	11.0	15.0	11.0	0.5	3.5	3.5	0.5
Biomass(mg/m³)	591.19	241.91	336.61	131.68	45.44	72.29	26.24	23.83
Copepoda	476	2100	2600	600	20	132	121	217
Chaetognatha	68	320	184	47	37	72	64	57
Amphipoda	22	40	28	0	0	0	1	2
Euphausia	7	7	41	15	5	19	13	6

311선 부유생물 조사표
Plankton Data, Line 311

Month	Feb.			Apr.		
Station	05	07	09	05	07	09
Date	3/1	28	28	16	15	15
Time	09:20	15:15	12:50	09:25	08:20	05:50
Col. depth (m)	75	90	89	80	90	87
Volume(cc)	0.5	1.8	0.6	0.8	5.2	1.8
Biomass(mg/m^3)	2.52	23.06	2.12	6.29	49.62	21.69
Copepoda	57	184	124	120	560	650
Chaetognatha	10	50	19	5	8	15
Amphipoda	0	0	0	0	2	2
Euphausia	9	24	2	3	17	22

Month	Jun.			Aug.		
Station	05	07	09	05	07	09
Date	9	11	11	12	13	13
Time	19:20	10:40	13:10	18:35	11:50	14:10
Col. depth (m)	75	90	89	75	90	89
Volume(cc)	0.8	2.4	1.5	11.0	9.8	7.2
Biomass(mg/m^3)	166.95	23.76	12.72	168.52	121.59	85.51
Copepoda	2100	950	450	1120	1400	890
Chaetognatha	22	23	40	470	893	878
Amphipoda	15	20	6	67	89	66
Euphausia	48	55	24	16	23	9

Month	Oct.			Dec.		
Station	05	07	09	05	07	09
Date	14	15	15	21	19	19
Time	16:05	16:45	20:30	07:35	07:40	05:20
Col. depth (m)	70	80	80	75	93	89
Volume(cc)	6.0	7.0	8.0	2.2	22.0	17.4
Biomass(mg/m^3)	68.37	6.76	109.93	47.82	198.92	209.89
Copepoda	284	96	1534	70	746	1050
Chaetognatha	91	12	138	79	350	320
Amphipoda	15	1	39	1	50	22
Euphausia	4	3	5	5	85	89

312선 부유생물 조사표
Plankton Data, Line 312

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	27	28	28	28	14	14	14	14
Time	21:50	00:15	04:10	06:35	13:50	17:50	21:10	23:30
Col. depth (*m*)	73	92	91	86	80	70	90	85
Volume(cc)	0.5	0.3	0.4	0.4	5.8	0.9	4.5	3.6
Biomass(mg/m^3)	17.24	5.47	6.91	5.12	126.57	1.80	53.81	28.87
Copepoda	464	94	240	109	1450	920	960	800
Chaetognatha	11	16	10	7	4	1	31	39
Amphipoda	0	0	0	0	2	3	4	0
Euphausia	1	2	4	8	2002	240	75	76

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	12	12	11	11	14	14	13	13
Time	03:35	00:40	21:40	19:20	04:10	01:50	22:55	20:30
Col. depth (*m*)	73	92	90	85	73	92	91	86
Volume (cc)	10.0	11.0	13.0	9.0	12.3	13.0	17.0	5.4
Biomass(mg/m^3)	187.93	119.01	180.99	187.27	246.55	237.35	333.79	102.41
Copepoda	2500	900	1400	2000	1200	1600	1800	880
Chaetognatha	48	39	78	45	540	470	0	33
Amphipoda	36	8	12	41	52	36	64	61
Euphausia	158	86	128	127	89	106	84	20

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	16	16	16	16	18	18	18	18
Time	17:40	14:00	09:30	05:40	15:20	17:40	20:40	23:00
Col. depth (*m*)	60	80	80	80	73	68	93	95
Volume (cc)	13.0	22.5	15.0	10.0	8.1	9.2	11.1	6.3
Biomass(mg/m^3)	228.99	324.08	165.79	181.25	114.66	191.49	98.10	101.32
Copepoda	1032	1146	1614	1868	640	270	750	1400
Chaetognatha	148	260	239	148	75	142	320	340
Amphipoda	20	25	9	12	3	7	8	31
Euphausia	5	42	20	8	35	33	38	26

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